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NOVEMBER 1971 SUMMARY

# FEDERAL MILK ORDER

## MARKET STATISTICS

### NOVEMBER HIGHLIGHTS

MINIMUM CLASS I PRICE \$6.91; BLEND, \$6.36

U. S. DEPT. OF AGRICULTURE  
NATIONAL AGRICULTURAL RECEIVES

PRODUCER DELIVERIES UP 4.4 PERCENT

FEB 15 1972

PRODUCER MILK USED IN CLASS I UP 5.0 PERCENT

PROCUREMENT SECT. CURRENT SERIAL RECORDS

66 PERCENT OF DELIVERIES USED IN CLASS I

IN-AREA FLUID MILK SALES UP 6.5 PERCENT

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*  
\* \*  
\* SPECIAL THIS ISSUE - Page 29 \*  
\* \*  
\* Vertical Integration in Federal \*  
\* Milk Order Markets \*  
\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*



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## FEDERAL MILK ORDER MARKET STATISTICS

Summary

Producer deliveries and producer deliveries used in Class I								Prices per 100 pounds (3.5 percent)	
Year and month	Number of mkt's.	Prod. series	Change: from prev. year	Del. Class I	from used in prev. year	Class I	Utilization	Class I	Blend
	No.	Bil.lb.	Pct.	Bil.lb.	Pct.	Percent		Dollars	Dollars
1966	71	53.0	-2.6	34.8	0.7	66		5.55	4.95
1967	74	53.8	1.4	34.4	-1.1	64		5.85	5.17
1968	67	56.4	5.0	36.5	6.0	65		6.23	5.53
1969	67	61.0	8.1	39.2	7.3	64		6.50	5.74
1970	62	65.1	6.6	40.4	2.1	62		6.74	5.95

  

Producer deliveries and producer deliveries used in Class I								Prices per 100 pounds (3.5 percent)	
Year and month	Number of comp. mkt's.	Prod. series	Change: from prev. year	Del. Class I	from used in prev. year	Class I	Utilization	Class I	Blend
	No.	Bil.lb.	Pct.	Bil.lb.	Pct.	Percent		Dollars	Dollars
1971									
Jan.	61	5.6	4.6	3.5	-3.4	62	67	6.93	6.72
Feb.	61	5.1	4.1	3.2	.5	62	64	6.89	6.76
Mar.	60	5.9	4.4	3.5	3.4	60	61	6.93	6.72
Apr.	60	5.9	4.8	3.3	0	57	59	6.91	6.66
May	60	6.2	3.8	3.3	-.2	52	54	6.93	6.69
June	60	6.0	5.1	3.0	-1.0	51	54	6.88	6.67
July	60	5.7	4.0	3.1	.7	55	57	6.87	6.70
Aug.	60	5.5	4.3	3.1	.8	57	59	6.87	6.69
Sept.	60	5.3	4.3	3.4	.7	64	66	6.86	6.70
Oct.	60	5.5	4.0	3.5	-2.9	64	68	6.92	6.75
Nov.	60	5.2	4.4	3.5	5.0	66	66	6.91	6.86
Dec.	:	:	:	:	:	:	:	:	:

Minimum Prices. The weighted average Class I price paid by handlers regulated under 60 comparable Federal milk order markets for 3.5 percent milk in November 1971 was \$6.91 per hundredweight, five cents higher than the \$6.86 per hundredweight price in November 1970. (See table 2.) Class I prices announced for December 1971 with comparisons with December 1970 are shown on table 1.

Producers in the 60 markets received a weighted average blend price of \$6.36 per hundredweight for 3.5 percent milk in November 1971, ten cents higher than the \$6.26 price received by producers in November 1970. Class prices, blend prices, and associated butterfat differentials, by markets, are reported on table 2.

The weighted average Class I price for the January-November 1971 period for the 60 markets was \$6.90, 18 cents higher than the \$6.72 price for the same period in 1970. The weighted average blend price for January-November 1971 was \$6.06, 14 cents higher than the blend price of \$5.92 reported for the same period in 1970. (See table 3.)

Producer Deliveries. A total of 138,492 producers delivered 5.2 billion pounds of milk to handlers in the 60 markets during November 1971. The volume is 4.4 percent above producer deliveries in November 1970. Average daily delivery per producer increased from 1,174 pounds in November 1970, to 1,259 pounds in November of this year. Producer number, producer deliveries, average butterfat percentages, and average daily delivery per producer for individual markets are shown on table 4.

Producer deliveries during the first eleven months of 1971 totaled 61.9 billion pounds in 60 markets, 4.4 percent above producer deliveries made during the same period in 1970. (See table 6.)

Producer Deliveries Used in Class I. The volume of producer deliveries used in Class I in 60 markets increased 5.0 percent from last year, to a total of 3.5 billion pounds for November 1971. (See table 5.)

The volume of producer deliveries used in Class I during the first eleven months of 1971 in 60 markets, totaled 36.4 billion pounds, 0.3 percent above such Class I use during the same period in 1970. (See table 6.)

Percentage of Producer Deliveries Used in Class I. The average Class I utilization percentage for 60 markets for November 1971 was 66 percent, the same as November 1970. (See table 5.) The average utilization percentage in 60 markets for the first eleven months of 1971 was 59 percent, compared to 61 percent for the first eleven months of 1970. (See table 6.)

Producer Deliveries Used in Other Than Class I. The volume of producer deliveries used in other than Class I products in the 60 markets totaled 1.7 billion pounds in November 1971, 3.6 percent of producer deliveries. Table 9 shows for 58 markets where data were available, the percentage of whole milk equivalent used in manufactured products during the first ten months of 1971.

Filled and Imitation Milk Sales. Survey data of filled milk sales in Federal order markets are presented on table 1?

Fluid Milk Product Sales. Total in-area sales for November 1971 are estimated to be about 2.9 billion pounds, 6.5 percent above such sales in November of last year. Such estimated total fluid sales, adjusted to eliminate variations in data due to calendar composition, would show an increase in sales of 3.0 percent.

Actual total fluid in-area sales for October 1971 were 2.3 percent below sales for October 1970. Total fluid sales for October 1971, adjusted to eliminate variations in data due to calendar composition, showed a 0.7 percent increase in sales from October 1970. October 1971 sales of skim and lowfat milk compared to October 1970 show increases on an unadjusted basis. Sales of whole milk, milk and cream mixtures, and cream items during October this year were below October of 1970, on an unadjusted basis. Complete in-area sales of total fluid items, and the four major groupings of products (whole milk, skim milk items, mixtures and cream) are reported on table 7.

For January through October 1971, actual in-area sales of fluid milk items in Federal order markets where comparable data are available were 0.7 percent above total fluid sales for January through October 1970. Sales of skim milk items have increased while the sales of most other fluid milk items have decreased during the first ten months of this year, compared to the same period of last year. Daily average sales of individual fluid milk products for the first ten months of 1971 are shown on table 8.

Total fluid in-area sales; changes in sales and butterfat content of the four major fluid milk product groups and total fluid products

		Whole Milk Items		Skim Milk Items		Milk and Cream Mixtures		Cream Items		Total Fluid Items	
No.	of	Percent:		Percent:		Percent:		Percent:		Bil.	
comp.	Change:	Change:	of	Change:	of	Change:	of	Change:	of	Change:	of
mktks.	over	: Of	Bf.	over	: Bf.	over	: Bf.	over	: Bf.	over	: Bf.
prev.	total	: test	prev.	total	: test	prev.	total	prev.	total	prev.	total
year	fluid	: year	fluid	: year	: 1/	fluid	: year	fluid	: year	fluid	: year
1966	66	-0.4	85.0	3.52:	+13.5	12.7	1.43:	-2.0	1.4	11.7:	-5.2
		:	:	:	:	:	:	:	0.9	22.8:	24.5
1967	67	-2.9	83.1	3.50:	+13.4	14.7	1.49:	-5.2	1.4	11.5:	-6.0
		:	:	:	:	:	:	:	.8	22.7:	24.9
1968	62	-7	81.1	3.49:	+16.2	16.8	1.48:	-3.2	1.4	11.4:	-4.2
		:	:	:	:	:	:	:	.7	22.5:	28.3
1969	60	-1.0	78.8	3.47:	+13.6	19.2	1.51:	-6.3	1.3	11.4:	-4.8
		:	:	:	:	:	:	:	.7	22.2:	30.0
1970	55	-2.3	77.0	3.46:	+ 8.2	21.1	1.54:	-7.5	1.2	11.3:	-2.1
		:	:	:	:	:	:	:	.7	22.0:	30.9
1971	:	:	:	:	:	:	:	:		:	
Jan.	53	-4.7	76.6	3.46:	+ 4.1	21.9	1.55:	-10.1	0.9	11.4:	-2.5
Feb.	53	-1.0	76.0	3.45:	+10.3	22.4	1.54:	-6.3	1.0	11.4:	+4.9
Mar.	53	+2.8	75.8	3.44:	+13.0	22.6	1.54:	-5.4	1.0	11.4:	-1.8
Apr.	53	-2.1	75.2	3.44:	+10.1	23.1	1.53:	-5.3	1.0	11.3:	+10.1
May	58	-2.1	75.1	3.44:	+10.2	23.2	1.53:	-7.6	1.0	11.3:	+1.8
June	58	-2.0	73.7	3.44:	+10.5	24.5	1.53:	-8.7	1.1	11.3:	+6.6
July	58	-3	73.7	3.44:	+13.5	24.5	1.53:	-2.9	1.1	11.3:	+6.3
Aug.	58	-1.9	73.8	3.44:	+11.7	24.4	1.54:	-4.4	1.1	11.3:	+3.1
Sept.	58	-1.6	75.2	3.44:	+11.1	23.3	1.55:	-3.7	.9	11.3:	+2.1
Oct.	58	-5.2	74.8	3.45:	+ 8.1	23.7	1.55:	-8.1	.9	11.3:	-1.8
Nov.	:	:	:	:	:	:	:	:			
Dec.	:	:	:	:	:	:	:	:			
Year	:	:	:	:	:	:	:	:			

1/ Includes eggnog.

2/ See table 3 for monthly sales adjusted to eliminate variations in data due to calendar composition.

Table 1.--Federal order fluid differentials, December 1971, and minimum Class I prices for milk of 3.5 percent butterfat content, f.o.b. market or other indicated point\*, and butterfat differentials, December 1970 and 1971

Marketing areas	Marketing area						Marketing area					
	Fluid			diff.			Fluid			diff.		
	Class I price	Fat diff.	per 100 lb.	Class I price	Fat diff.	per 100 lb.	Class I price	Fat diff.	per 100 lb.	Class I price	Fat diff.	per 100 lb.
	100 lb.	0.1%		100 lb.	0.1%		100 lb.	0.1%		100 lb.	0.1%	
	1/											
	December						December					
	1971	1971	1970	1971	1971	1970	1971	1971	1970	1971	1971	1970
	Dollars		Cents				Dollars		Cents			
NEW ENGLAND												
Boston Regional	2/	2.98	: 7.82	:	7.80	:	7.8	:	8.2	:	WEST NORTH CENTRAL -Con.	
Connecticut	2/	2.98	: 7.82	:	7.80	:	7.8	:	8.2	:	Southern Group	
MIDDLE ATLANTIC							St. Louis-Ozarks		1.60	:	6.44	: 6.42
New York-New Jersey	2/	2.64	: 7.48	:	7.46	:	7.8	:	8.2	:	Kansas City	
Middle Atlantic	2/	2.78	: 7.62	:	7.60	:	7.8	:	8.2	:	Neosho Valley	
							Wichita		1.80	:	6.64	: 6.62
SOUTH ATLANTIC											EAST SOUTH CENTRAL	
Appalachian	2.13	: 6.97	:	6.95	:	8.2	:	8.4	:	Paducah		
Tampa Bay	2.95	: 7.79	:	7.57	:	7.5	:	7.5	:	Nashville		
Southeastern Florida	3.15	: 7.99	:	7.77	:	7.5	:	7.5	:	Memphis		
Upper Florida	2.85	: 7.69	:	7.47	:	7.5	:	7.5	:	Knoxville		
							Chattanooga		2.15	:	6.99	: 6.97
EAST NORTH CENTRAL							Mississippi		2.47	:	7.31	: 7.29
<u>Eastern Group</u>							Georgia		2.30	:	7.14	: 7.12
Upstate Michigan	1.49	: 6.33	:	6.31	:	8.0	:	8.0	:			
Southern Michigan	1.60	: 6.44	:	6.42	:	7.7	:	8.0	:	WEST SOUTH CENTRAL		
Eastern Ohio-Western Pa.	1.87	: 6.71	:	6.69	:	8.2	:	8.4	:	<u>Northern Group</u>		
Ohio Valley	1.70	: 6.54	:	6.52	:	8.2	:	8.4	:	Central Arkansas		
							Fort Smith		1.94	:	6.78	: 6.76
<u>Western Group</u>							Oklahoma Metropolitan		1.95	:	6.79	: 6.77
Mich. Upper Peninsula	1.35	: 6.19	:	6.17	:	8.5	:	8.7	:	Red River Valley		
Chicago Regional	1.26	: 6.10	:	6.08	:	8.2	:	8.4	:	Texas Panhandle		
Louisville-Lex.-Evans.	1.49	: 6.33	:	6.31	:	8.2	:	8.4	:	Lubbock-Plainview		
Indiana	1.49	: 6.31	:	6.29	:	8.2	:	8.4	:			
Southern Illinois	3/	1.53	: 6.37	:	6.35	:	8.2	:	8.4	:	<u>Southern Group</u>	
Central Illinois	1.39	: 6.23	:	6.21	:	8.2	:	8.4	:	Northern Louisiana		
							New Orleans		2.47	:	7.31	: 7.29
WEST NORTH CENTRAL							North Texas		2.85	:	7.69	: 7.67
<u>Northern Group</u>							Central West Texas		2.32	:	7.16	: 7.14
Duluth-Superior	1.10	: 5.94	:	5.92	:	8.8	:	9.1	:	Austin-Waco		
Minneapolis-St. Paul	1.06	: 5.90	:	5.88	:	8.2	:	8.4	:	San Antonio		
Eastern South Dakota	1.50	: 6.34	:	6.32	:	8.2	:	8.4	:	Corpus Christi		
Black Hills	1.95	: 6.79	:	6.77	:	8.2	:	8.4	:	South Texas		
North Central Iowa	1.25	: 6.09	:	6.07	:	8.2	:	8.4	:			
Cedar Rapids-Iowa City	1.30	: 6.17	:	6.12	:	8.2	:	8.4	:	MOUNTAIN		
Quad Cities-Dubuque	1.30	: 6.17	:	6.12	:	8.5	:	8.7	:	Eastern Colorado		
Des Moines	1.45	: 6.24	:	6.27	:	8.2	:	8.4	:	Great Basin		
Nebraska-Western Iowa	1.60	: 6.44	:	6.42	:	8.5	:	8.7	:	Western Colorado		
Minnesota-North Dakota	1.30	: 6.14	:	6.12	:	8.2	:	8.4	:	Central Arizona		
Southeastern Minnesota-							Rio Grande Valley		2.52	:	7.36	: 7.34
Northern Iowa	1.06	: 5.90	:	5.88	:	8.2	:	8.4	:			
									2.35	:	7.19	: 7.17
							PACIFIC					
							Puget Sound		1.85	:	6.69	: 6.67
							Inland Empire		1.95	:	6.79	: 6.77
							Oregon-Washington		1.95	:	6.79	: 6.77

\* Generally the major city in the marketing area. See footnotes on table 2 for location.

1/ Added to the basic formula price to arrive at the Class I price. The basic formula price is the Minnesota-Wisconsin price for the preceding month adjusted to a 3.5 percent butterfat content.

2/ Effective fluid differential derived from the provisions of the order. May be added to the Minnesota-Wisconsin price for the preceding month to determine the Class I price for the month. Order specifies a basic price to which is added an amount by which the Minnesota-Wisconsin price at 3.5 percent butterfat for the preceding month exceeds \$4.33.

3/ Tied to the St. Louis-Ozarks order.

4/ Tied to the Oklahoma Metropolitan order.

TABLE 2.--FEDERAL ORDER MINIMUM CLASS AND BLEND PRICES FOR MILK OF 3.5 PERCENT BUTTERFAT CONTENT, F.O.B. MARKET OR OTHER INDICATED POINT\*, AND BUTTERFAT DIFFERENTIALS, NOVEMBER \*\*

MARKETING AREA	PRICES PER 100 POUNDS						FAT DIFFERENTIAL 0.1%			
	CLASS I		BLEND		CLASS II	CLASS III	CLASS I	CLASS II	CLASS III	BLEND
	NOV 1971	NOV 1970	NOV 1971	NOV 1970	NOVEMBER 1971		NOVEMBER 1971			
DOLLARS										
NEW ENGLAND										
BOSTON REGIONAL 1/	7.80	7.75	7.11	6.90	4.96	---	7.8	7.8	---	7.8
CONNECTICUT	7.80	7.75	7.47	7.34	4.96	---	7.8	7.8	---	7.8
AVERAGE 2/	7.80	7.75	7.21	7.02	---	---	7.8	---	---	7.8
MIDDLE ATLANTIC										
NEW YORK-NEW JERSEY 3/	7.46	7.41	6.67	6.60	4.98	---	7.8	7.8	---	7.8
MIDDLE ATLANTIC 4/	7.60	7.55	6.74	6.66	4.92	---	7.8	7.8	---	7.8
AVERAGE 2/	7.51	7.46	6.69	6.62	---	---	7.8	---	---	7.8
SOUTH ATLANTIC										
APPALACHIAN 5/	6.95	6.90	6.87	6.69	4.73	---	8.2	7.5	---	8.1
TAMPA BAY	7.77	7.52	7.74	7.43	4.99	---	7.5	7.8	---	7.5
SOUTHEASTERN FLORIDA 6/	7.97	7.72	7.88	7.57	4.99	3.11	7.5	7.8	7.8	7.5
UPPER FLORIDA 7/	7.67	7.42	7.68	7.35	4.99	---	7.5	7.8	---	7.5
AVERAGE 2/	7.64	7.42	7.59	7.29	---	---	7.6	---	---	7.6
EAST NORTH CENTRAL										
EASTERN GROUP										
UPSTATE MICHIGAN 8/	6.31	6.26	6.06	5.91	4.99	4.87	7.5	7.5	7.5	7.5
SOUTHERN MICHIGAN 9/	6.42	6.37	5.91	5.85	4.99	4.84	7.7	7.7	7.7	7.5
EASTERN OHIO-WESTERN PA. 10/	6.69	6.64	6.42	6.11	4.94	4.84	8.2	7.8	7.8	8.0
OHIO VALLEY 11/	6.52	6.47	6.40	6.32	4.94	4.84	8.2	7.8	7.8	8.0
AVERAGE 2/	6.54	6.49	6.22	6.07	---	---	8.0	---	---	7.8
WESTERN GROUP										
MICHIGAN UPPER PENINSULA 12/	6.17	6.12	13/	5.89	13/	5.88	4.84	---	8.5	7.8
CHICAGO REGIONAL 14/	6.08	6.03		5.55	5.50	4.84	---	8.2	8.2	8.2
LSVILLE-LXGTON-EVNSVILLE	6.31	6.26		6.40	6.38	4.84	---	8.2	8.2	8.2
INDIANA 15/	6.29	6.24		6.21	6.16	4.84	---	8.2	7.7	8.0
SOUTHERN ILLINOIS 16/	6.35	6.30		6.31	6.25	4.84	---	8.2	7.8	8.0
CENTRAL ILLINOIS 17/	6.21	6.16		6.06	6.08	4.84	---	8.2	7.8	8.0
AVERAGE 2/	6.18	6.13		5.81	5.75	---	---	8.2	---	8.2
WEST NORTH CENTRAL										
NORTHERN GROUP										
DULUTH - SUPERIOR	5.92	5.87	5.38	5.20	4.72	---	8.8	8.2	---	8.5
MINNEAPOLIS - ST. PAUL	5.88	5.83	5.44	5.41	4.84	---	8.2	7.9	---	8.0
EASTERN SOUTH DAKOTA 18/	6.32	6.27	5.68	6.02	4.84	---	8.2	7.5	---	7.8
BLACK HILLS 19/	6.77	6.72	6.25	5.93	4.84	---	8.2	7.5	---	7.9
NORTH CENTRAL IOWA 20/	6.07	6.02	21/	5.60	21/	5.77	4.84	---	8.2	7.8
CEDAR RAPIDS - IOWA CITY	6.12	6.07		6.07	5.53	4.84	---	8.2	7.5	8.0
QUAD CITIES - DUBUQUE 22/	6.12	6.07		5.59	5.65	4.84	---	8.5	7.8	8.1
DES MOINES	6.27	6.22		5.73	5.70	4.84	---	8.2	7.5	7.8
NEBRASKA - WESTERN IOWA 14/	6.42	6.37		5.81	5.84	4.99	4.84	8.5	7.8	8.2
MINNESOTA - NORTH DAKOTA 23/	6.12	6.07		5.25	5.26	4.84	---	8.2	7.8	7.9
S.E. MINN.-NORTHERN IOWA	5.88	5.83		5.43	5.32	4.84	---	8.2	7.9	8.0
AVERAGE 2/	6.10	6.05		5.54	5.52	---	---	8.3	---	8.0

CONTINUED

TABLE 2--FEDERAL ORDER MINIMUM CLASS AND BLENDS PRICES FOR MILK OF 3.5 PERCENT BUTTERFAT CONTENT, F.O.B. MARKET OR OTHER INDICATED POINT\* AND BUTTERFAT DIFFERENTIALS, NOVEMBER \*\* -CON.

MARKETING AREA	PRICES PER 100 POUNDS							FAT DIFFERENTIAL 0.1%		
	CLASS I		BLEND		CLASS II	CLASS III	CLASS I	CLASS II	CLASS III	BLEND
	NOV 1971	NOV 1970	NOV 1971	NOV 1970	NOVEMBER 1971	1971		NOVEMBER 1971	1971	LENTS
DOLLARS										
WEST NORTH CENTRAL -CON.										
SOUTHERN GROUP										
ST LOUIS - CZARKS <u>24/</u>	6.42	6.37	6.26	6.36	4.84	---	8.2	7.8	---	8.0
KANSAS CITY <u>25/</u>	6.56	6.51	5.88	5.78	4.99	4.84	8.2	7.8	7.8	7.2
NEOSHO VALLEY <u>26/</u>	6.47	6.42	5.60	5.84	4.84	---	8.5	7.8	---	8.2
WICHITA <u>14/</u>	6.62	6.57	6.33	6.41	4.99	4.84	8.2	7.8	7.8	8.1
AVERAGE <u>27/</u>	6.49	6.45	6.10	6.12	---	---	8.2	---	---	7.7
EAST SOUTH CENTRAL										
PAOUCAH	6.67	6.62	6.92	7.14	4.84	---	8.2	7.8	---	7.5
NASHVILLE	6.40	6.35	6.08	6.13	4.84	---	8.2	7.8	---	8.2
MEMPHIS	6.76	6.71	<u>21/</u> 6.53	<u>21/</u> 6.43	4.84	---	8.2	7.8	---	7.5
KNOXVILLE	6.52	6.33	6.09	6.11	4.84	---	8.2	7.8	---	8.0
CHATTANOOGA	6.97	6.92	6.25	6.47	4.84	---	8.2	7.8	---	8.0
MISSISSIPPI <u>27/</u>	7.29	7.24	6.89	6.78	4.84	---	8.2	7.5	---	8.0
GEORGIA <u>28/</u>	7.12	7.07	6.88	6.74	4.84	---	8.2	7.8	---	8.1
AVERAGE <u>2/</u>	6.93	6.86	6.59	6.56	---	---	8.2	---	---	8.0
WEST SOUTH CENTRAL										
NORTHERN GROUP										
CENTRAL ARKANSAS <u>29/</u>	6.76	6.71	6.74	6.65	4.84	---	8.2	7.8	---	8.1
FORT SMITH	6.77	6.72	<u>21/</u> 6.58	<u>21/</u> 6.49	4.84	---	8.5	7.8	---	8.2
OKLAHOMA METROPOLITAN <u>30/</u>	6.80	6.75	6.11	5.73	4.74	---	8.5	7.8	---	8.2
REO RIVER VALLEY <u>31/</u>	7.02	6.97	6.21	5.52	4.74	---	8.5	7.8	---	8.2
TEXAS PANHANDLE <u>32/</u>	7.07	7.02	6.80	6.76	4.87	---	8.2	7.5	---	8.1
LUBBOCK - PLAINVIEW	7.24	7.19	7.04	6.97	4.86	---	8.5	7.8	---	8.4
AVERAGE <u>2/</u>	6.86	6.82	6.30	5.94	---	---	8.4	---	---	8.2
SOUTHERN GROUP										
NORTHERN LOUISIANA <u>33/</u>	7.29	7.24	7.02	6.91	4.84	---	8.2	7.5	---	8.1
NEW ORLEANS	7.67	7.62	6.71	6.53	4.84	---	8.2	7.5	---	7.9
NORTH TEXAS <u>34/</u>	7.14	7.09	6.66	6.55	4.86	---	8.5	7.8	---	8.3
CENTRAL WEST TEXAS <u>35/</u>	7.39	7.34	6.56	7.06	4.86	---	8.5	7.8	---	8.2
SAN ANTONIO <u>36/</u>	7.56	7.51	7.36	7.30 <u>37/</u> 4.80	4.86	---	8.5	7.3	---	7.5
CORPUS CHRISTI <u>38/</u>	7.89	7.84	7.27	7.04	5.12	4.87	8.2	7.5	7.5	8.0
SOUTH TEXAS <u>39/</u>	7.50	7.45	7.02	6.90	4.84	---	8.5	7.8	---	8.3
AVERAGE <u>2/</u>	7.41	7.35	6.88	6.76	---	---	8.4	---	---	8.1
MOUNTAIN										
EASTERN COLORADO <u>40/</u>	7.12	7.07	6.65	6.51	4.99	4.84	8.8	8.2	8.2	8.6
GREAT BASIN <u>41/</u>	6.72	6.99	6.12	6.04	4.99	4.84	8.2	7.8	7.8	8.0
WESTERN COLORADO <u>42/</u>	6.82	6.77	6.47	6.38	4.89	4.84	8.2	8.2	8.2	8.2
CENTRAL ARIZONA <u>43/</u>	7.34	7.29	6.90	6.70	5.12	4.87	9.2	7.8	7.8	8.8
RIO GRANDE VALLEY <u>44/</u>	7.17	7.12	6.76	6.58	4.86	---	8.5	7.8	---	8.3
AVERAGE <u>2/</u>	7.11	7.12	6.62	6.46	---	---	8.7	---	---	8.5
PACIFIC										
PUGET SOUND <u>45/</u>	6.67	6.62	5.79	5.71	5.09	4.84	8.5	8.2	8.2	8.3
INLAND EMPIRE <u>46/</u>	6.77	6.72	6.03	5.91	5.06	4.81	8.4	7.8	7.3	8.1
OREGON - WASHINGTON <u>47/</u>	6.77	6.72	6.10	5.97	5.09	4.84	8.2	7.8	7.8	8.0
AVERAGE <u>2/</u>	6.73	6.67	5.94	5.83	---	---	8.4	---	---	8.2
60-MARKET AVERAGE <u>2/</u> <u>48/</u>	6.91	6.86	6.36	6.26	---	---	8.1	---	---	7.9
ALL-MARKET AVERAGE <u>48/</u>	6.91	6.86	6.36	6.26	---	---	8.1	---	---	7.9

\* Major city in the marketing area. \*\* All averages are weighted.

1/ Boston nearby plant price. Price at 201-210 mile zone: Class I and blend, 40 cents less; Class II, 5.8 cents less.

2/ Markets under regulation on January 1, 1970, and which have had no significant marketing area expansions. Excludes Central Illinois. 3/ New York metropolitan area. Price excludes a 5-cent direct delivery differential. Prices at 201-210 mile zone: Class I and blend, 24 cents less; Class II, 8 cents less. 4/ Philadelphia, Baltimore, and Washington, D.C. Price excludes a 6-cent direct delivery differential applicable to milk delivered to Philadelphia. 5/ Bristol, Tennessee. 6/ Miami.

7/ Jacksonville and Tallassee. 8/ Traverse City. 9/ Detroit. Price excludes an 8-cent direct delivery differential.

10/ Cleveland-Erie district. Class I and blend price at Toledo (Northwestern zone) 5 cents less and at Charleston, West Virginia (Southeastern zone) 5 cents more. 12/ Zone II (Marquette). 13/ Weighted average of all handlers' blend prices at all locations. 14/ Zone I. 15/ Indianapolis. 16/ Base zone (Alton). 17/ Peoria. 18/ Sioux Falls. 19/ Rapid City, South Dakota. 20/ Zone I (Waterloo). 21/ Weighted average of all handlers' blend prices. 22/ Rock Island, Illinois. 23/ Base zone (Fargo).

24/ Zone I (St. Louis). 25/ Kansas City and Topeka. 26/ Pittsburgh, Kansas. 27/ Gulfport. Class I and blend price at Jackson and Greenville 16 cents less. 28/ Atlanta. 29/ Little Rock. 30/ Oklahoma City. 31/ Wichita Falls, Texas.

32/ Amarillo. 33/ Monroe and Shreveport. 34/ Zone I (Dallas). 35/ Abilene. Class II-A (Cheddar cheese) \$4.29.

36/ Zone I-New Braunfels, Texas. 37/ Class II-A (Cheddar cheese) \$4.31. 38/ Mercedes. 39/ Houston. 40/ Denver.

41/ Salt Lake City, Utah. 42/ Grand Junction. 43/ Phoenix. 44/ Albuquerque, Santa Fe, and El Paso. 45/ District I (Seattle). 46/ Spokane, Washington. 47/ Portland. 48/ Excludes Austin-Waco. Fewer than three handlers. Austin-Waco prices: Class I 1971, \$7.52 and 1970, \$7.47; Blend 1971, \$7.17 and 1970, \$7.15; Class II 1971, \$4.87 and 1970, \$4.56. Fat differential: Class I 1971, 8.2¢ and 1970, 8.4¢; Class II 1971, 7.5¢ and 1970, 7.7¢; Blend 1971, 7.5¢ and 1970, 7.7¢.

TABLE 3.--FEDERAL ORDER MINIMUM CLASS I AND BLEND PRICES FOR MILK OF 3.5 PERCENT BUTTERFAT CONTENT, F.O.B.  
MARKET OR OTHER INDICATED POINT, JANUARY - NOVEMBER, AVERAGES 1/

MARKETING AREA	CLASS I*			BLEND*		
	1971	1970	CHANGE 1971 OVER 1970	1971	1970	CHANGE 1971 OVER 1970
	DOLLARS PER 100 POUNDS					
NEW ENGLAND						
BOSTON REGIONAL	7.78	7.61	.17	6.62	6.47	.15
CONNECTICUT	7.78	7.61	.17	6.97	6.85	.12
AVERAGE 2/	7.78	7.61	.17	6.72	6.56	.16
MIDDLE ATLANTIC						
NEW YORK-NEW JERSEY	7.44	7.27	.17	6.21	6.07	.14
MIDDLE ATLANTIC	7.58	7.42	.16	6.57	6.43	.14
AVERAGE 2/	7.49	7.32	.17	6.32	6.18	.14
SOUTH ATLANTIC						
APPALACHIAN	6.93	6.76	.17	6.75	6.45	.30
TAMPA BAY	7.75	7.42	.33	7.46	7.14	.32
SOUTHEASTERN FLORIDA	7.95	7.63	.32	7.70	7.46	.24
UPPER FLORIDA	7.65	7.32	.33	7.50	7.23	.27
AVERAGE 2/	7.62	7.32	.30	7.40	7.12	.28
EAST NORTH CENTRAL						
EASTERN GROUP						
UPSTATE MICHIGAN	6.29	6.12	.17	5.92	5.72	.20
SOUTHERN MICHIGAN	6.40	6.23	.17	5.83	5.66	.17
EASTERN OHIO-WESTERN PA.	6.67	6.50	.17	5.95	5.79	.16
OHIO VALLEY	6.50	6.30	.20	5.92	5.78	.14
AVERAGE 2/	6.52	6.34	.18	5.90	5.74	.16
WESTERN GROUP						
MICHIGAN UPPER PENINSULA	6.15	5.98	.17	5.74	5.59	.15
CHICAGO REGIONAL	6.06	5.85	.21	5.43	5.26	.17
LSVILLE-LXINGTON-EVNSVILLE	6.29	6.12	.17	5.76	5.64	.12
INDIANA	6.27	6.10	.17	5.78	5.60	.18
SOUTHERN ILLINOIS	6.33	6.16	.17	5.79	5.66	.13
CENTRAL ILLINOIS	6.19	6.02	.17	5.62	5.40	.22
AVERAGE 2/	6.16	5.96	.20	5.54	5.38	.16
WEST NORTH CENTRAL						
NORTHERN GROUP						
ODULUTH - SUPERIOR	5.93	5.73	.17	5.25	4.99	.26
MINNEAPOLIS - ST. PAUL	5.86	5.69	.17	5.32	5.17	.15
EASTERN SOUTH OAKOTA	6.33	6.13	.17	5.59	5.52	.07
BLACK HILLS	6.75	6.58	.17	5.90	5.49	.41
NORTH CENTRAL IOWA	6.05	5.87	.18	5.57	5.38	.19
CEDAR RAPIDS - IOWA CITY	6.10	5.93	.17	5.56	5.31	.25
QUAD CITIES - DUBUQUE	6.10	5.94	.16	5.47	5.37	.10
DES MOINES	6.25	6.08	.17	5.60	5.52	.08
NEBRASKA - WESTERN IOWA	6.40	6.23	.17	5.74	5.67	.07
MINNESOTA - NORTH OAKOTA	6.10	5.93	.17	5.18	5.06	.12
S.E. MINN.-NORTHERN IOWA	5.86	5.69	.17	5.23	5.13	.10
AVERAGE 2/	6.09	5.92	.17	5.42	5.29	.13

CONTINUED

TABLE 3.--FEDERAL ORDER MINIMUM CLASS I AND BLEND PRICES FOR MILK OF 3.5 PERCENT BUTTERFAT CONTENT, F.O.B. MARKET OR OTHER INDICATED POINT, JANUARY - NOVEMBER. AVERAGES 1/ -CON.

MARKETING AREA	CLASS I*			BLEND*		
	1971	1970	CHANGE 1971 OVER 1970	1971	1970	CHANGE 1971 OVER 1970
<u>DOLLARS PER 100 POUNDS</u>						
WEST NORTH CENTRAL -CON.						
SOUTHERN GROUP						
ST LOUIS - OZARKS	6.40	6.23	.0.17	5.76	5.64	.0.12
KANSAS CITY	6.54	6.37	.17	5.81	5.67	.14
NEOSHO VALLEY	6.45	6.28	.17	5.56	5.71	.15-
WICHITA	6.60	6.43	.17	6.13	5.94	.19
AVERAGE 2/	6.47	6.30	.17	5.81	5.69	.12
EAST SOUTH CENTRAL						
PADUCAH	6.65	6.48	.17	6.13	6.02	.11
NASHVILLE	6.38	6.21	.17	5.92	5.78	.14
MEMPHIS	6.74	6.57	.17	6.47	6.31	.16
KNOXVILLE	6.51	6.09	.42	6.15	5.72	.43
CHATTANOOGA	6.95	6.78	.17	6.13	6.20	.37-
MISSISSIPPI	7.27	7.10	.17	6.35	6.22	.13
GEORGIA	7.10	6.93	.17	6.74	6.52	.22
AVERAGE 2/	6.91	6.72	.19	6.39	6.23	.16
WEST SOUTH CENTRAL						
NORTHERN GROUP						
CENTRAL ARKANSAS	6.74	6.57	.17	6.57	6.32	.25
FORT SMITH	6.75	6.58	.17	6.50	6.33	.17
OKLAHOMA METROPOLITAN	6.78	6.61	.17	5.74	5.81	.07-
RED RIVER VALLEY	7.00	6.83	.17	5.57	5.61	.04-
TEXAS PANHANDLE	7.05	6.88	.17	6.76	6.28	.48
LUBBOCK - PLAINVIEW	7.22	7.05	.17	7.01	6.74	.27
AVERAGE 2/	6.84	6.68	.16	5.94	5.95	.01-
SOUTHERN GROUP						
NORTHERN LOUISIANA	7.27	7.10	.17	6.83	6.73	.10
NEW ORLEANS	7.65	7.48	.17	6.47	6.42	.05
NORTH TEXAS	7.12	6.95	.17	6.41	6.31	.10
CENTRAL WEST TEXAS	7.37	7.20	.17	6.41	6.86	.45-
SAN ANTONIO	7.54	7.37	.17	7.22	6.96	.26
CORPUS CHRISTI	7.87	7.70	.17	7.08	6.84	.24
SOUTH TEXAS	7.48	7.31	.17	6.73	6.67	.06
AVERAGE 2/	7.39	7.21	.18	6.63	6.55	.08
MOUNTAIN						
EASTERN COLORADO	7.10	6.91	.19	6.44	6.30	.14
GREAT BASIN	6.90	6.88	.02	5.92	5.76	.16
WESTERN COLORADO	6.80	6.84	.04-	6.08	6.28	.20-
CENTRAL ARIZONA	7.32	7.15	.17	6.68	6.50	.18
RIO GRANDE VALLEY	7.15	6.98	.17	6.68	6.22	.46
AVERAGE 2/	7.13	6.98	.15	6.41	6.22	.19
PACIFIC						
PUGET SOUND	6.65	6.48	.17	5.64	5.52	.12
INLAND EMPIRE	6.75	6.58	.17	5.87	5.74	.13
OREGON - WASHINGTON	6.75	6.58	.17	5.88	5.79	.09
AVERAGE 2/	6.70	6.53	.17	5.76	5.65	.11
60-MARKET AVERAGE 2/ 3/	6.90	6.72	.18	6.06	5.92	.14
ALL-MARKET AVERAGE 3/	6.90	6.72	.18	6.06	5.92	.14

\* All prices are weighted.

1/ See footnotes on table 2 for location at which price is reported.

2/ Markets under regulation on January 1, 1970, and which have had no significant marketing area expansions. Excludes Central Illinois.

3/ Excludes Austin-Waco. Fewer than three handlers.

TABLE 4--NUMBER OF PRODUCERS DELIVERING MILK TO HANDLERS REGULATED UNDER FEDERAL ORDERS, TOTAL DELIVERIES, AND  
AVERAGE DAILY DELIVERIES PER PRODUCER, NOVEMBER

MARKETING AREA	NUMBER OF PRODUCERS		PRODUCER DELIVERIES			AVERAGE BUTTERfat PERCENTAGE OF MILK DELIVERIES		AVERAGE DAILY DELIVERIES PER PRODUCER	
	NOV 1971	CHANGE FROM NOV 1970	NOV 1971	NOV 1970	CHANGE FROM NOV 1970	NOV 1971	NOV 1970	NOV 1971	NOV 1970
	NUMBER		1,000 LBS.		PERCENT	PERCENT		POUNDS	
NEW ENGLAND									
BOSTON REGIONAL	7,439	194-	269,362	267,074	0.8	3.83	3.82	1,207	1,166
CONNECTICUT	2,044	38-	110,106	105,786	4.1	3.76	3.79	1,796	1,694
AVERAGE OR TOTAL 1/	9,483	232-	379,468	372,860	1.8	3.81	3.81	---	---
MIDDLE ATLANTIC									
NEW YORK-NEW JERSEY	24,607	1,375-	757,668	748,757	1.2	3.70	3.70	1,026	961
MIDDLE ATLANTIC	8,054	170-	356,930	355,578	.4	3.85	3.81	1,477	1,441
AVERAGE OR TOTAL 1/	32,661	1,545-	1,114,598	1,104,335	.9	3.75	3.74	---	---
SOUTH ATLANTIC									
APPALACHIAN	850	109-	33,921	34,587	1.9-	3.74	3.81	1,330	1,202
TAMPA BAY	115	9	38,585	27,110	42.3	3.63	3.70	10,694	9,146
SOUTHEASTERN FLORIDA	88	1-	51,865	52,753	1.7-	3.74	3.93	20,460	19,647
UPPER FLORIDA	195	4-	48,226	44,562	8.2	3.69	3.83	8,408	7,355
AVERAGE OR TOTAL 1/	1,248	105-	172,597	159,012	8.5	3.70	3.84	---	---
EAST NORTH CENTRAL									
EASTERN GROUP									
UP STATE MICHIGAN	20	1-	691	676	2.2	3.61	3.57	1,152	1,073
SOUTHERN MICHIGAN	8,414	147-	319,625	296,351	7.8	3.74	3.74	1,266	1,154
EASTERN OHIO-WESTERN PA.	9,176	468-	261,160	247,937	5.3	3.78	3.84	949	857
OHIO VALLEY	8,022	182-	241,233	224,290	7.6	3.79	3.86	1,002	911
AVERAGE OR TOTAL 1/	25,632	798-	822,709	769,254	6.9	3.77	3.81	---	---
WESTERN GROUP									
MICHIGAN UPPER PENINSULA	333	11-	8,011	7,966	.6	3.79	3.82	802	772
CHICAGO REGIONAL	16,927	421-	587,777	576,540	1.9	3.81	3.81	1,157	1,108
LSVILLE-LAKTON-EVNSVILLE	2,925	32	91,211	82,669	10.3	3.77	3.87	1,039	953
INDIANA	4,622	108	153,961	137,499	12.0	3.84	3.88	1,110	1,015
SOUTHERN ILLINOIS	2,288	298-	74,155	73,033	1.5	3.76	3.82	1,080	941
CENTRAL ILLINOIS	860	212	26,132	19,084	36.9	3.81	3.84	1,013	982
AVERAGE OR TOTAL 1/	27,095	590-	915,115	877,707	4.3	3.81	3.83	---	---
WEST NORTH CENTRAL									
NORTHERN GROUP									
DULUTH - SUPERIOR	604	28-	13,882	13,864	.1	3.85	3.82	766	731
MINNEAPOLIS - ST. PAUL	4,940	335	160,304	146,069	9.7	3.84	3.84	1,082	1,057
EASTERN SOUTH DAKOTA	536	123	19,689	14,417	36.6	3.63	3.70	1,297	1,255
BLACK HILLS	68	1	3,699	3,595	2.9	3.70	3.74	1,813	1,789
NORTH CENTRAL IOWA	622	168	17,803	9,624	85.0	3.76	3.83	1,150	1,121
CEDAR RAPIDS - IOWA CITY	304	95-	4,408	10,643	58.6-	3.78	3.81	1,130	972
QUAD CITIES - DUBUQUE	1,007	222-	29,932	35,430	15.5-	3.81	3.81	1,084	985
DES MOINES	1,421	171	43,002	33,853	27.0	3.83	3.88	1,065	1,017
NEBRASKA - WESTERN IOWA	1,795	3	77,001	69,562	10.7	3.85	3.89	1,430	1,294
MINNESOTA - NORTH DAKOTA	1,894	150	57,574	51,720	11.3	3.64	3.69	1,013	989
S.E. MINN.-NORTHERN IOWA	869	205-	32,939	38,284	14.0-	3.77	3.73	1,235	1,166
AVERAGE OR TOTAL 1/	14,050	401	460,233	427,061	7.8	3.80	3.81	---	---

CONTINUED

TABLE 4.--NUMBER OF PRODUCERS DELIVERING MILK TO HANDLERS REGULATED UNDER FEDERAL ORDERS, TOTAL DELIVERIES, AND AVERAGE DAILY DELIVERIES PER PRODUCER, NOVEMBER -CON.

MARKETING AREA	NUMBER OF PRODUCERS		PRODUCER DELIVERIES			AVERAGE BUTTERFAT PERCENTAGE OF MILK DELIVERIES		AVERAGE DAILY DELIVERIES PER PRODUCER	
	NDV 1971	CHANGE FROM NDV 1970	NOV 1971	NDV 1970	CHANGE FROM NOV 1970	NOV 1971	NOV 1970	NOV 1971	NOV 1970
	NUMBER		1,000 LBS.		PERCENT	PERCENT		POUNDS	
<b>WEST NORTH CENTRAL -CON.</b>									
SOUTHERN GROUP									
ST LOUIS - CZARKS	3,242	8-	124,502	107,115	16.2	3.75	3.86	1,280	1,099
KANSAS CITY	2,255	32	99,310	91,937	8.0	3.75	3.83	1,468	1,379
NEOSHOL VALLEY	146	110-	5,015	7,581	33.8-	3.66	3.80	1,330	1,234
WICHITA	505	72-	17,573	26,887	34.6-	3.80	3.79	1,406	1,492
AVERAGE OR TOTAL 1/	6,148	158-	246,400	233,520	5.5	3.75	3.84	---	---
<b>EAST SOUTH CENTRAL</b>									
PADUCAH	303	35-	10,816	9,259	16.8	4.04	4.12	1,190	913
NASHVILLE	1,051	12	41,673	37,603	10.8	3.91	3.92	1,322	1,206
MEMPHIS	653	84-	28,117	28,682	2.0-	3.79	3.87	1,678	1,601
KNOXVILLE	454	14	16,957	14,674	15.6	3.76	3.81	1,245	1,112
CHATTANOOGA	767	22	36,099	32,246	11.9	3.94	4.06	1,569	1,443
MISSISSIPPI	879	98-	37,017	36,177	2.3	3.93	4.11	1,404	1,269
GEORGIA	1,350	75-	102,353	97,046	5.5	3.78	3.89	2,527	2,270
AVERAGE OR TOTAL 1/	5,457	244-	273,032	255,687	6.8	3.85	3.95	---	---
<b>WEST SOUTH CENTRAL</b>									
NORTHERN GROUP									
CENTRAL ARKANSAS	594	43-	19,438	19,018	2.2	3.73	3.82	1,612	1,449
FDRT SMITH	217	46	3,936	3,867	1.8	3.79	3.96	1,612	1,449
OKLAHOMA METROPOLITAN	2,201	349-	82,527	95,101	13.2-	3.72	3.77	1,250	1,243
RED RIVER VALLEY	549	210-	15,979	22,488	28.9-	3.69	3.74	970	988
TEXAS PANHANDLE	197	106-	7,379	7,852	6.0-	3.72	3.71	1,619	1,743
LUBBOCK - PLAINVIEW	178	91-	5,270	6,488	18.8-	3.76	3.72	2,520	2,608
AVERAGE OR TOTAL 1/	3,936	753-	134,529	154,814	13.1-	3.72	3.77	---	---
SOUTHERN GROUP									
NORTHERN LOUISIANA	257	11-	18,766	17,633	6.4	4.00	4.13	2,434	2,193
NEW ORLEANS	1,247	139-	46,146	48,419	4.7-	3.90	3.99	1,234	1,164
NORTH TEXAS	1,688	160-	96,798	89,301	8.4	3.70	3.77	1,912	1,611
CENTRAL WEST TEXAS	276	15-	18,916	13,872	36.4	3.66	3.73	2,285	1,589
SAN ANTONIO	784	489	30,534	20,203	51.1	3.63	3.62	2,373	3,159
CORPUS CHRISTI	262	30-	13,969	14,384	2.9-	3.96	4.04	2,645	2,490
SOUTH TEXAS	2,135	184	80,078	66,736	20.0	3.78	3.90	1,757	1,649
AVERAGE OR TOTAL 1/	6,649	318	305,297	270,548	12.8	3.77	3.87	---	---
<b>MOUNTAIN</b>									
EASTERN COLORADO	1,276	7	60,660	58,113	4.4	3.76	3.78	1,585	1,526
GREAT BASIN	867	12-	38,464	39,458	2.5-	3.91	3.83	1,479	1,496
WESTERN COLORADO	62	2-	3,183	2,547	25.0	3.89	3.94	1,711	1,327
CENTRAL ARIZONA	167	8-	49,364	46,354	6.5	3.69	3.66	9,853	8,670
RIO GRANDE VALLEY	347	32-	31,659	27,585	14.8	3.73	3.73	4,985	4,332
AVERAGE OR TOTAL 1/	2,719	47-	183,330	174,057	5.3	3.77	3.75	---	---
<b>PACIFIC</b>									
PUGET SOUND	1,715	39-	112,752	108,297	4.1	3.90	3.94	2,191	2,058
INLAND EMPIRE	436	15-	22,311	20,697	7.8	4.07	4.08	1,706	1,530
OREGON - WASHINGTON	1,263	39-	88,024	84,415	4.3	4.09	4.10	2,323	2,161
AVERAGE OR TOTAL 1/	3,414	93-	223,087	213,409	4.5	3.99	4.02	---	---
60-MARKET AVG. CR TOTAL 1/ 138,492	3,846-	5,230,305	5,012,264		4.4	3.78	3.81	1,259	1,174
ALL-MARKET AVG. DR TOTAL 2/ 139,352	3,634-	5,256,437	5,031,348		4.5	3.79	3.81	1,257	1,173

1/ Markets under regulation on January 1, 1970, and which have had no significant marketing area expansions. Excludes Central Illinois.

2/ Excludes Austin-Waco. Fewer than three handlers.

TABLE 5.--PRODUCER MILK DELIVERIES USED IN CLASS I AND GROSS CLASS I SALES BY HANDLERS REGULATED UNDER FEDERAL ORDERS, NOVEMBER

MARKETING AREA	PRODUCER DELIVERIES USED IN CLASS I			% USED IN CL. I			GROSS CLASS I*		DELIVERIES AS % OF GR. CL. I	
	NOV 1971	NOV 1970	CHANGE FROM NOV 1970	NOV 1971	NOV 1970	PERCENT	NOV 1971	CHANGE FROM NOV 1970	NOV 1971	NOV 1970
	1,000 POUNDS	PERCENT		1971	1970	PERCENT	1,000 LBS	PERCENT	1971	1970
NEW ENGLAND										
BOSTON REGIONAL	176,831	165,450	6.9	66	62	180,049	7.4	150	159	
CONNECTICUT	87,887	83,637	5.1	80	79	87,967	4.7	125	126	
AVERAGE OR TOTAL 1/	264,718	249,087	6.3	70	67	---	---	---	---	
MIDDLE ATLANTIC										
NEW YORK-NEW JERSEY	445,237	450,754	1.2-	59	60	445,275	1.2-	170	166	
MIDDLE ATLANTIC	242,169	240,490	.7	68	68	259,579	2.9	138	141	
AVERAGE OR TOTAL 1/	687,406	691,244	.6-	62	62	---	---	---	---	
SOUTH ATLANTIC										
APPALACHIAN	33,340	32,069	4.0	98	93	33,772	4.0	100	106	
TAMPA BAY	37,554	25,734	45.9	97	95	38,739	46.5	100	102	
SOUTHEASTERN FLORIDA	49,507	49,306	.4	95	93	49,951	.3-	104	105	
UPPER FLORIDA	47,188	42,713	10.5	98	96	51,966	13.6	93	97	
AVERAGE OR TOTAL 1/	167,589	149,822	11.8	97	94	---	---	---	---	
EAST NORTH CENTRAL										
EASTERN GROUP										
UP STATE MICHIGAN	544	524	3.8	79	78	824	74.3-	84	21	
SOUTHERN MICHIGAN	212,211	201,196	5.5	66	68	212,329	4.7	150	146	
EASTERN OHIO-WESTERN PA.	184,989	180,233	2.6	71	73	189,324	3.0	138	135	
OHIO VALLEY	184,178	169,818	8.4	70	76	198,054	7.8	122	122	
AVERAGE OR TOTAL 1/	581,922	551,771	5.5	71	72	---	---	---	---	
WESTERN GROUP										
MICHIGAN UPPER PENINSULA	6,687	6,804	1.7-	83	85	6,797	1.0-	118	116	
CHICAGO REGIONAL	295,805	283,795	4.2	50	49	296,442	4.2	198	202	
LSVILLE-LXGTON-EVNSVILLE	69,886	63,967	9.2	77	77	72,092	11.7	126	128	
INDIANA	113,269	101,593	11.5	74	74	115,399	9.4	133	130	
SOUTHERN ILLINOIS	51,423	49,956	2.9	69	68	57,221	7.3	130	137	
CENTRAL ILLINOIS	17,301	12,226	41.5	66	64	19,525	29.8	134	127	
AVERAGE OR TOTAL 1/	537,070	506,115	6.1	59	58	---	---	---	---	
WEST NORTH CENTRAL										
NORTHERN GROUP										
DULUTH - SUPERIOR	7,975	7,741	3.0	57	56	8,045	3.4	172	178	
MINNEAPOLIS - ST. PAUL	84,052	75,750	11.0	52	52	84,095	11.0	191	193	
EASTERN SOUTH DAKOTA	10,326	9,385	15.4	55	65	10,833	15.4	182	154	
BLACK HILLS	2,851	2,264	25.9	77	63	2,897	26.3	128	157	
NORTH CENTRAL IOWA	11,287	8,761	28.8	63	91	11,300	25.3	158	107	
CEDAR RAPIDS - IOWA CITY	4,228	6,211	31.9-	96	58	6,391	2.6	69	171	
QUAD CITIES - DUBUQUE	13,076	24,445	26.0-	60	69	18,139	26.1-	165	144	
DES MOINES	26,369	21,457	22.9	61	63	26,967	21.3	159	152	
NEBRASKA - WESTERN IOWA	49,731	46,894	6.0	64	67	49,923	6.4	154	148	
MINNESOTA - NORTH DAKOTA	17,569	16,993	3.4	30	33	18,612	3.5	309	288	
S.E. MINN.-NORTHERN IOWA	18,435	17,460	5.6	56	46	19,354	4.7	170	207	
AVERAGE OR TOTAL 1/	251,399	237,361	5.9	55	56	---	---	---	---	

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TABLE 5.-PRODUCER MILK DELIVERIES USED IN CLASS I AND GROSS CLASS I SALES BY HANDLERS REGULATED UNDER FEDERAL ORDERS, NOVEMBER -CON.

MARKETING AREA	PRODUCER DELIVERIES USED IN CLASS I			% USED IN CL. I			GROSS CLASS I*		DELIVERIES AS % OF GR. CL. I	
	NOV 1971	NOV 1970	CHANGE NOV 1970	NOV 1971	NOV 1970	PERCENT	NOV 1971	CHANGE FROM NOV 1970	NOV 1971	NOV 1970
	1,000 POUNDS	PERCENT	PERCENT	1,000 LBS	PERCENT	PERCENT	1,000 LBS	PERCENT	1,000 LBS	PERCENT
<b>WEST NORTH CENTRAL -CON.</b>										
SOUTHERN GROUP										
ST LOUIS - CZARKS	88,656	79,414	11.6	71	74	93,794	12.5	133	128	
KANSAS CITY	58,440	53,738	8.7	59	58	59,960	8.9	166	167	
NEOSHO VALLEY	2,444	4,929	50.4-	49	65	3,127	51.3-	160	118	
WICHITA	14,711	24,728	40.5-	84	92	15,727	39.3-	112	104	
AVERAGE OR TOTAL 1/	164,251	162,809	.9	67	70	---	---	---	---	---
<b>EAST SOUTH CENTRAL</b>										
PADUCAH	9,200	8,327	10.5	85	90	9,727	14.8	111	109	
NASHVILLE	33,695	31,945	5.5	81	85	33,899	5.8	123	117	
MEMPHIS	24,563	24,197	1.5	87	84	28,468	7.4	99	108	
KNOXVILLE	12,980	12,688	1.5	76	86	13,116	1.1-	129	111	
CHATTANOOGA	23,867	25,458	6.2-	66	79	25,513	1.2-	141	125	
MISSISSIPPI	29,767	28,882	3.1	80	80	34,379	8.9	108	115	
GEORGIA	91,984	82,602	11.4	90	85	99,620	3.4	103	101	
AVERAGE OR TOTAL 1/	225,956	214,099	5.5	83	84	---	---	---	---	---
<b>WEST SOUTH CENTRAL</b>										
NORTHERN GROUP										
CENTRAL ARKANSAS	18,600	18,139	2.5	96	95	23,710	13.2	82	91	
FORT SMITH	3,586	3,410	5.2	91	88	3,593	5.2	110	113	
OKLAHOMA METROPOLITAN	48,379	43,876	10.3	59	46	49,373	10.2	167	212	
RED RIVER VALLEY	9,726	11,320	14.1-	61	50	10,311	12.5-	155	191	
TEXAS PANHANDLE	6,551	7,006	6.5-	89	89	7,217	1.0	102	110	
LUBBOCK - PLAINVIEW	4,970	5,983	16.9-	94	92	5,876	2.3-	90	108	
AVERAGE OR TOTAL 1/	91,812	89,734	2.3	68	58	---	---	---	---	---
SOUTHERN GROUP										
NORTHERN LOUISIANA	16,807	15,579	7.9	90	88	17,822	8.2	105	107	
NEW ORLEANS	30,196	28,468	6.1	65	59	30,472	6.7	151	170	
NORTH TEXAS	77,455	71,355	8.5	80	80	78,430	8.1	123	123	
CENTRAL WEST TEXAS	12,679	12,510	1.4	67	90	12,719	1.4	149	111	
SAN ANTONIO	28,078	18,928	48.3	92	94	31,520	21.4	97	72	
CORPUS CHRISTI	11,111	10,699	3.8	80	74	13,545	8.4	103	115	
SOUTH TEXAS	63,276	52,033	21.6	79	78	68,006	12.8	118	111	
AVERAGE OR TOTAL 1/	239,602	209,572	14.3	78	77	---	---	---	---	---
MOUNTAIN										
EASTERN COLORADO	47,800	43,673	9.4	79	75	50,231	9.6	121	127	
GREAT BASIN	26,302	24,537	7.2	68	62	27,567	11.8	140	160	
WESTERN COLORADO	2,545	2,034	25.1	80	80	2,619	24.7	122	121	
CENTRAL ARIZONA	41,007	37,221	10.2	83	80	41,029	10.1	120	124	
RIO GRANDE VALLEY	26,134	21,654	20.7	82	78	26,728	17.5	118	121	
AVERAGE OR TOTAL 1/	143,788	129,119	11.4	78	74	---	---	---	---	---
PACIFIC										
PUGET SOUND	52,839	54,904	3.8-	47	51	52,848	3.8-	213	197	
INLAND EMPIRE	13,663	12,821	6.6	61	62	13,784	6.8	162	160	
OREGON - WASHINGTON	55,499	52,501	5.7	63	62	58,329	5.2	151	152	
AVERAGE OR TOTAL 1/	122,001	120,226	1.5	55	56	---	---	---	---	---
60-MARKET AVG. OR TOTAL 1/	3,477,514	3,310,959	5.0	66	66	3/3,595,395	5.1	145	146	
ALL-MARKET AVG. OR TOTAL 2/	3,494,815	3,323,185	5.2	66	66	3/3,614,920	5.2	145	146	

\* Preliminary.

1/ Markets under regulation on January 1, 1970, and which have had no significant marketing area expansions. Excludes Central Illinois.

2/ Excludes Austin-Waco. Fewer than three handlers.

3/ May include some duplication due to intermarket transfer.

TABLE 6.--PRODUCER MILK DELIVERIES TO HANDLERS REGULATED UNDER FEDERAL ORDERS AND DELIVERIES USED IN CLASS I  
JANUARY - NOVEMBER

MARKETING AREA	PRODUCER DELIVERIES			PRODUCER DELIVERIES USED IN CLASS I			% USED IN CL. I	
	1971	1970	CHANGE	1971	1970	CHANGE	1971	1970
			1971 OVER 1970			1971 OVER 1970		
			1,000 POUNDS			1,000 POUNDS		
NEW ENGLAND								
BOSTON REGIONAL	3,269,340	3,340,202	2.1-	1,851,827	1,954,871	5.3-	57	58
CONNECTICUT	1,268,223	1,073,529	18.1	921,717	803,851	14.7	73	75
TOTAL 1/	4,537,563	4,413,731	2.8	2,773,544	2,758,722	.5	61	62
MIDDLE ATLANTIC								
NEW YORK-NEW JERSEY	9,477,314	9,499,795	.2-	4,846,769	4,974,652	2.6-	51	52
MIDDLE ATLANTIC	4,133,918	4,121,281	.3	2,618,534	2,668,321	1.9-	63	65
TOTAL 1/	13,611,132	13,621,076	.1-	7,465,303	7,642,973	2.3-	55	56
SOUTH ATLANTIC								
APPALACHIAN	375,891	364,488	3.1	352,686	329,303	7.1	94	90
TAMPA BAY	386,563	344,795	12.1	341,822	307,052	11.3	88	89
SOUTHEASTERN FLORIDA	604,564	556,097	8.7	548,273	520,801	5.3	91	94
UPPER FLORIDA	493,689	451,365	9.4	458,996	431,752	6.3	93	96
TOTAL 1/	1,860,707	1,716,745	8.4	1,701,777	1,588,908	7.1	91	92
EAST NORTH CENTRAL								
EASTERN GROUP								
UPSTATE MICHIGAN	8,249	8,781	6.0-	6,090	6,378	4.5-	74	73
SOUTHERN MICHIGAN	3,518,632	3,397,238	3.6	2,237,660	2,216,895	.9	64	65
EASTERN OHIO-WESTERN PA.	3,086,263	3,161,772	2.4-	1,969,971	2,044,263	3.6-	64	65
OHIO VALLEY	2,788,025	2,603,708	7.1	1,887,210	1,863,166	1.3	68	72
TOTAL 1/	9,401,169	9,171,499	2.5	6,110,931	6,130,702	.5-	65	67
WESTERN GROUP								
MICHIGAN UPPER PENINSULA	99,881	100,194	.3-	74,186	74,799	.8-	74	75
CHICAGO REGIONAL	7,392,116	6,972,560	6.0	3,138,428	3,147,927	.3-	42	45
LSVILLE-LKGTON-EVNSVILLE	1,018,138	965,643	5.4	691,016	689,388	.2	68	71
INDIANA	1,683,971	1,634,441	3.0	1,169,794	1,139,518	2.6	69	70
SOUTHERN ILLINOIS	889,466	817,832	8.8	531,053	502,271	5.7	60	61
CENTRAL ILLINOIS	274,826	237,436	15.7	165,703	134,870	22.9	60	57
TOTAL 1/	11,033,572	10,490,670	5.6	5,604,477	5,553,903	.9	50	53
WEST NORTH CENTRAL								
NORTHERN GROUP								
DULUTH - SUPERIOR	171,176	171,147	0	87,816	84,935	3.4	51	50
MINNEAPOLIS - ST. PAUL	1,937,286	1,797,590	7.8	819,368	772,791	6.0	42	43
EASTERN SOUTH DAKOTA	206,824	171,367	20.7	107,235	99,944	7.3	52	58
BLACK HILLS	49,014	50,778	3.5-	29,071	24,158	20.3	59	48
NORTH CENTRAL IOWA	193,832	202,008	4.0-	129,154	135,148	4.4-	67	67
CEDAR RAPIDS - IOWA CITY	106,804	129,868	17.8-	64,031	70,103	8.7-	60	54
QUAD CITIES - DUBUQUE	388,923	370,397	5.0	206,999	212,084	2.4-	53	57
DES MOINES	456,539	427,960	6.7	246,940	260,652	5.3-	54	61
NEBRASKA - WESTERN IOWA	831,004	773,776	7.4	508,225	502,138	1.2	61	65
MINNESOTA - NORTH DAKOTA	678,640	593,950	14.2	181,960	181,712	.1	27	30
S.E. MINN.-NORTHERN IOWA	471,412	421,086	12.0	187,560	187,892	.2-	40	45
TOTAL 1/	5,491,454	5,109,927	7.5	2,568,359	2,531,557	1.4	47	50

CONTINUED

TABLE 6.-- PRODUCER MILK DELIVERIES TO HANDLERS REGULATED UNDER FEDERAL ORDERS AND DELIVERIES USED IN CLASS I  
JANUARY - NOVEMBER -CON.

MARKETING AREA	PRODUCER DELIVERIES			PRODUCER DELIVERIES USED IN CLASS I			% USED IN CL. I.	
	1971	1970	CHANGE 1971 OVER 1970	1971	1970	CHANGE 1971 OVER 1970	1971	1970
			1,000 POUNDS			1,000 POUNDS		
<b>WEST NORTH CENTRAL -CON.</b>								
SOUTHERN GROUP								
ST LOUIS - CZARKS	1,412,429	1,340,456	5.4	903,806	880,196	2.7	64	66
KANSAS CITY	1,039,380	958,989	8.4	597,808	583,653	2.4	58	61
NEOSHO VALLEY	70,634	89,173	20.8-	33,382	58,856	43.3-	47	66
WICHITA	254,877	325,732	21.8-	189,155	242,240	21.9-	74	74
TOTAL 1/	2,777,320	2,714,350	2.3	1,724,151	1,764,945	2.3-	62	65
<b>EAST SOUTH CENTRAL</b>								
PADUCAH	115,156	117,783	2.2-	83,916	90,265	7.0-	73	77
NASHVILLE	472,874	449,785	5.1	338,294	330,570	2.3	72	73
MEMPHIS	305,453	309,924	1.4-	258,822	264,944	2.3-	85	85
KNOXVILLE	175,070	186,874	6.3-	140,873	141,227	.2-	80	76
CHATTANOOGA	396,282	352,708	12.4	251,551	258,411	2.6-	63	73
MISSISSIPPI	546,058	486,061	12.3	322,888	332,740	3.0-	59	68
GEORGIA	1,106,852	1,099,568	.7	930,960	904,300	2.9	84	82
TOTAL 1/	3,117,745	3,002,703	3.8	2,327,304	2,322,457	.2	75	77
<b>WEST SOUTH CENTRAL</b>								
NORTHERN GROUP								
CENTRAL ARKANSAS	240,152	250,666	4.2-	213,916	217,430	1.6-	89	87
FORT SMITH	42,087	42,721	1.5-	37,374	37,605	.6-	89	88
OKLAHOMA METROPOLITAN	1,001,148	761,819	31.4	483,457	456,788	5.8	48	60
RED RIVER VALLEY	330,028	248,879	32.6	107,919	124,671	13.4-	33	50
TEXAS PANHANDLE	85,406	104,420	18.2-	74,890	79,356	5.6-	88	76
LUBBOCK - PLAINVIEW	64,317	69,411	7.3-	59,172	61,565	3.9-	92	89
TOTAL 1/	1,763,138	1,477,916	19.3	976,728	977,415	.1-	55	66
<b>SOUTHERN GROUP</b>								
NORTHERN LOUISIANA	212,844	198,505	7.2	176,358	169,804	3.8	83	86
NEW ORLEANS	552,488	512,309	7.8	317,238	336,791	5.8-	57	66
NORTH TEXAS	1,132,721	1,100,359	2.9	809,485	828,801	2.3-	71	75
CENTRAL WEST TEXAS	219,082	156,496	40.0	136,448	135,941	.4	62	87
SAN ANTONIO	274,464	236,662	16.0	242,435	205,539	18.0	88	87
CORPUS CHRISTI	171,616	166,757	2.9	123,582	119,907	3.1	72	72
SOUTH TEXAS	958,955	764,241	25.5	645,619	562,299	14.8	67	74
TOTAL 1/	3,522,170	3,135,329	12.3	2,451,165	2,359,082	3.9	70	75
<b>MOUNTAIN</b>								
EASTERN COLORADO	687,375	658,638	4.4	488,387	475,190	2.8	71	72
GREAT BASIN	482,289	446,987	7.9	265,754	250,579	6.0	55	56
WESTERN COLORADO	36,231	30,749	17.8	23,345	23,085	.2-	64	75
CENTRAL ARIZONA	554,086	524,669	5.6	423,381	405,701	4.3	76	77
RIO GRANDE VALLEY	306,576	315,789	2.9-	247,164	233,707	5.8	81	74
TOTAL 1/	2,066,557	1,976,832	4.5	1,447,431	1,388,262	4.3	70	70
<b>PACIFIC</b>								
PUGET SOUND	1,338,845	1,267,654	5.6	573,528	595,974	3.8-	43	47
INLAND EMPIRE	256,966	233,366	10.1	141,416	137,950	2.5	55	59
DREDON - WASHINGTON	1,057,986	974,570	8.6	571,547	571,318	0	54	59
TOTAL 1/	2,653,797	2,475,590	7.2	1,286,491	1,305,242	1.4-	48	53
<b>60-MARKET TOTAL 1/2/</b>	<b>61,886,324</b>	<b>59,306,368</b>	<b>4.4</b>	<b>36,427,661</b>	<b>36,324,168</b>	<b>.3</b>	<b>59</b>	<b>61</b>
<b>ALL-MARKET TOTAL 2/</b>	<b>62,161,150</b>	<b>59,543,804</b>	<b>4.4</b>	<b>36,593,364</b>	<b>36,459,038</b>	<b>.4</b>	<b>59</b>	<b>61</b>

1/ Markets under regulation on January 1, 1970, and which have had no significant marketing area expansions. Excludes Central Illinois.

2/ Excludes Austin-Waco. Fewer than three handlers.

TABLE 7.-WHOLE MILK, SKIM MILK ITEMS, MILK AND CREAM MIXTURES, CREAM, AND TOTAL FLUID ITEMS SOLD IN MARKETING AREAS DEFINED BY FEDERAL MILK CROERS FOR MARKETS WHERE SUCH INFORMATION IS AVAILABLE, OCTOBER 1971 WITH COMPARISONS 1/

MARKETING AREA	WHOLE MILK 2/				SKIM MILK ITEMS 3/				MILK AND CREAM MIXTURES			
	OCTOBER 1971		CHANGE 1971 FROM 1970		OCTOBER 1971		CHANGE 1971 FROM 1970		OCTOBER 1971		CHANGE 1971 FROM 1970	
	DAILY AVG	BUTTER-FAT CONTENT	PERCENT	YEAR TO DATE	DAILY AVG	BUTTER-FAT CONTENT	PERCENT	YEAR TO DATE	DAILY AVG	BUTTER-FAT CONTENT	PERCENT	YEAR TO DATE
	1,000 LB.		1,000 LB.		1,000 LB.		1,000 LB.		1,000 LB.		1,000 LB.	
NEW ENGLAND												
BOSTON REGIONAL	5,326	3.51	-	3.7 - 0.5	814.9	1.14	-	16.3	21.8	11.4	-	3.3 + 0.6
CONNECTICUT	2,131	3.45	-	4.5 - 2.3	289.2	1.11	-	.5	25.6	10.5	-	2.5 + .1
MIDDLE ATLANTIC												
MICROLE ATLANTIC 4/	6,037	3.46	-	7.1 - 2.2	876.4	1.11	-	6.8	6.6	59.6	-	11.7 - 17.1 - 16.0
SOUTH ATLANTIC												
APPALACHIAN	353	3.49	-	2.8	2.6	78.5	1.21	12.3	16.6	1.0	11.7	- 10.2 - 1.4
TAMPA BAY	1,028	3.44	-	1.0	6.6	174.3	.98	13.7	5.0	10.3	10.9	- 9.1 + 3.0
SELCHESTERIAN FLORIDA	1,394	3.58	-	1.6	2.4	268.1	1.00	7.8	6.8	24.6	10.8	- .3 + 5.1
UPPER FLORIDA	1,327	3.38	-	2.3	6.6	182.9	1.05	16.0	9.7	6.9	11.2	- 6.1 + 9.2
EAST NORTH CENTRAL												
EASTERN GROUP												
SOUTHERN MICHIGAN	5,106	3.48	-	4.0 - .8	1,307.1	1.24	-	.1	1.8	79.6	10.5	- 10.5 - 7.4
E. CHIO - W. PA. 5/	5,154	3.48	-	8.8 - 4.1	1,159.0	1.50	-	8.9	8.9	50.9	10.9	- 12.5 - 14.0
CHIC VALLEY 4/	4,637	3.50	-	4.9 - .2	1,302.1	1.52	-	1.9	7.4	34.3	10.9	- 18.5 - 15.5
WESTERN GROUP												
MICH. UPPEF PENINSULA	218	3.53	-	7.4 - 2.7	77.7	1.66	14.7	15.5	3.0	11.6	- 10.1 - 5.7	
CHICAGO REGIONAL	6,296	3.39	-	9.1 - 5.3	2,435.1	1.68	12.8	17.3	137.5	11.8	- 12.2 - 6.0	
LLCLIS.-LEX.-EVANS	1,349	3.40	-	6.7 - 4.3	469.5	1.76	6.2	17.1	14.3	11.3	.5	1.2
INDIANA	2,383	3.37	-	2.9 - 4.6	1,354.7	1.77	6.0	8.5	31.3	11.5	- 11.6 - 9.2	
SOUTHERN ILLINOIS	993	3.20	-	13.5 - 7.5	541.6	1.85	2.2	8.0	17.5	11.3	- 14.2 - 7.0	
CENTRAL ILLINOIS 5/	491	3.28	-	2.4 - .8	244.7	1.73	10.3	11.1	9.7	11.2	- 10.1 - 7.2	
WEST NORTH CENTRAL												
NORTHERN GROUP												
ULLTH - SUPERIOR	116	3.33	-	9.7 - 6.0	75.2	1.63	7.4	9.7	2.0	12.2	- 10.5 - 6.9	
MINNEAPOLIS - ST. FALL	1,077	3.27	-	12.1 - 7.9	1,112.6	1.60	6.5	11.2	27.6	10.6	- .6 - 3.4	
EASTERN SOUTHERN GROUP	160	3.25	-	12.5 - 6.5	136.9	1.75	1.4	10.3	3.5	11.1	- 13.9 - 6.1	
BLACK HILLS	55	3.32	-	3.4 - 1.5	36.4	1.79	11.3	12.9	1.0	12.0	- 7.6 - 4.1	
NORTH CENTRAL IOWA	290	3.44	-	8.2 - 4.6	179.6	1.61	5.3	8.3	5.3	11.8	- 11.5 - 6.0	
CECAR RAPIDS - IOWA CITY	114	3.43	-	8.9 - 5.3	69.0	1.28	3.8	7.2	2.1	11.3	- 13.0 - 9.8	
GLAC. CITIES - DUBLIN	331	3.37	-	11.2 - 7.0	167.8	1.53	8.1	9.6	6.1	11.7	- 11.9 - 9.8	
DES MOINES	380	3.58	-	2.3 - 4.3	251.0	1.67	12.2	15.2	7.9	13.1	- 3.3 - 2.1	
NEBRASKA - WESTERN IOWA	1,001	3.34	-	4.3 - 2.6	461.8	1.62	10.5	10.5	19.7	11.1	- 6.7 - 4.9	
MINNESOTA - N. DAKOTA	324	3.33	-	9.7 - 6.0	185.1	1.57	7.8	12.3	6.0	11.6	- 6.5 - .4	
SE. MINN-NORTHERN IOWA	294	3.30	-	12.2 - 9.7	246.5	1.53	6.5	12.7	7.4	10.9	- 6.5 - 5.2	

CONTINUED

TABLE 7.-WHOLE MILK, SKIM MILK ITEMS, MILK AND CREAM MIXTURES, CREAM, AND TOTAL FLUID ITEMS SOLD IN MARKETING AREAS DEFINED BY FEDERAL MILK ORDERS FOR MARKETS WHERE SUCH INFORMATION IS AVAILABLE, OCTOBER 1971 WITH COMPARISONS 1/-CON.

MARKETING AREA	CREAM				TOTAL FLUID			
	OCTOBER 1971		CHANGE 1971 FROM 1970		OCTOBER 1971		CHANGE 1971 FROM 1970	
	DAILY AVERAGE 1,000 LB.	BUTTERFAT CONTENT	OCTOBER PERCENT	YEAR TO DATE	DAILY AVERAGE 1,000 LB.	BUTTERFAT CONTENT	OCTOBER PERCENT	YEAR TO DATE
NEW ENGLAND BOSTON REGIONAL CONNECTICUT	114.2 36.1	21.3 22.5	- 13.4 42.7	- 6.8 25.8	6,278 2,482	3.56 3.53	- 1.7 - 3.5	- 1.2 - 1.5
MIDDLE ATLANTIC MIDDLE ATLANTIC 4/	45.4	19.7	- 6.1	21.7	7,020	3.34	- 5.7	- 1.2
SOUTH ATLANTIC APPALACHIAN	.5	21.2	9.9	18.2	433	3.12	- .3	4.9
TAMPA BAY	3.1	23.0	11.6	- 1C.9	1,216	3.20	- 2.8	6.3
SOUTHEASTERN FLORIDA	9.8	23.1	- 1.9	- 3.4	1,697	3.39	- .2	3.1
UPPER FLORIDA	2.5	25.5	- 5.6	- 4.5	1,52C	3.17	- 3.8	6.9
EAST NORTH CENTRAL EASTERN GRCLP								
SOUTHERN MICHIGAN	38.3	19.5	- 5.E	- .4	6,531	3.21	- 3.4	- .4
E. OHIO - W. PA. 5/	30.4	18.7	- 11.C	- 1C.0	6,394	3.27	- 6.1	- 2.2
CHIC VALLEY 4/	16.6	16.7	15.3	2C.2	5,990	3.15	- 3.5	1.4
WESTERN GRCLP								
MICH. UPFER PENINSULA	.9	23.7	- 1.9	- 3.9	300	3.19	- 2.5	1.1
CHICAGO REGIONAL	60.0	22.0	2.9	4.8	8,944	3.18	- 3.3	.1
LCVIS.-LEX.-EVANS	3.6	22.8	- 12.4	0	1,837	3.08	- 3.7	.4
INDIANA	16.6	18.0	- 4.9	1.5	3,786	2.93	0	.3
SOUTHERN ILLINOIS	5.3	19.0	- 14.8	1.4	1,557	2.88	- 3.6	2.7
CENTRAL ILLINOIS 5/	2.8	19.7	- 27.2	- 2.1	748	2.54	1.2	2.7
WEST NORTH CENTRAL NORTHERN GRCLP								
DLLLTH - SUPERIOR	1.3	24.9	- 9.1	- 6.5	194	2.91	- 3.8	.7
MINNEAPOLIS - ST. CLOUD	20.0	24.0	1.C	3.0	2,238	2.72	- 3.5	.7
EASTERN SOUTHERN IOWA	2.1	22.8	14.5	5.0	3C2	2.80	- 6.6	.5
BLACK HILLS	.5	22.5	- 25.7	- 13.1	93	2.92	1.7	3.4
NORTH CENTRAL IOWA	1.1	25.1	- 17.C	3.6	476	2.90	- 3.6	.1
CEDAR RAPIDS-ICHA CITY	.6	21.6	- 7.1	11.6	185	2.78	- 4.6	1.1
QUAC CITIES - CUBICLE	1.5	21.5	- 10.1	4.2	5C7	2.92	- 5.6	2.2
DES MOINES	1.5	26.5	- 42.8	- 4.1	641	3.00	2.7	2.4
NEBRASKA-WESTERN IOWA	6.1	20.9	2.8	2.6	1,489	2.39	- .1	1.0
MINNESOTA - N. DAKOTA	5.9	28.7	- 2.1	- 2.0	521	3.09	- 4.1	.2
SE. MINN-NORTHERN IOWA	2.7	25.4	- 11.C	- 6.8	550	2.72	- 4.6	- 1.1

CONTINUED

TABLE 7.-WHOLE MILK, SKIM MILK ITEMS, MILK AND CREAM MIXTURES, CREAM, AND TOTAL FLUID ITEMS SOLD IN MARKETING AREAS DEFINED BY FEDERAL MILK CROERS FOR MARKETS WHERE SUCH INFORMATION IS AVAILABLE, OCTOBER 1971 WITH COMPARISONS 1/-CON.

MARKETING AREA	WHOLE MILK 2/				SKIM MILK ITEMS 3/				MILK AND CREAM MIXTURES			
	OCTOBER 1971		CHANGE 1971 FROM 1970		OCTOBER 1971		CHANGE 1971 FROM 1970		OCTOBER 1971		CHANGE 1971 FROM 1970	
	DAILY AVG 1,000 LB.	BUTTER-FAT CONTENT	CCT.	YEAR TO DATE	DAILY AVG 1,000 LB.	BUTTER-FAT CONTENT	OCT.	YEAR TO DATE	DAILY AVG 1,000 LB.	BUTTER-FAT CONTENT	CCT.	YEAR TO DATE
WEST NORTH CENTRAL -CON.												
SOUTHERN GROUP												
ST LOUIS - ZARKS	1,237	3.28	-	4.2 -	4.9	669.1	1.75	9.2	11.5	16.7	11.4	- 3.5 - 3.7
KANSAS CITY	1,064	3.31	-	8.9 -	7.1	545.6	1.78	20.6	20.0	16.9	11.1	- 1.0 - 4.4
NEOSHO VALLEY	165	3.34	-	8.3 -	8.8	49.8	1.70	1.6	3.4	2.3	11.6	- 17.3 - 11.6
KIICHTA	368	3.29	-	7.8 -	5.2	147.9	1.70	5.8	- 2.6	6.9	10.7	2.4 - 5.5
EAST SOUTH CENTRAL												
PATLCAH	198	3.38	-	10.3 -	3.5	36.8	1.32	.8	.8	1.1	10.9	- 3.7 1.0
NASHVILLE	850	3.40	-	4.8 -	.3	179.3	.97	6.1	5.2	3.5	11.7	- 4.9 - 3.7
MEMPHIS	543	3.52	-	4.2 -	1.5	130.8	1.17	11.2	9.2	3.9	11.7	- 9.6 - 5.5
KNOXVILLE	398	3.58	-	5.6 -	2.6	209.9	1.35	12.8	16.5	1.9	11.8	.1 - 1.2
CHATTANOOGA	395	3.72	-	2.2 -	1.1	166.5	1.46	11.3	13.6	1.4	11.5	8.5
MISSISSIPPI	973	3.79	-	1.9 -	5.0	161.5	1.46	5.8	.6	5.9	11.7	- .6 9.1
GEORGIA	2,222	3.39	-	2.4 -	.4	554.8	1.10	20.2	19.1	12.3	11.2	- 5.2 - 6.5
WEST SOUTH CENTRAL												
NORTHERN GROUP												
CENTRAL ARKANSAS	509	3.45	5.4	2.7		120.5	1.59	29.0	29.4	3.3	12.1	- 4.3 - 3.1
OKLAHOMA METROPOLITAN	950	3.34	2.4	5.3		190.2	1.44	1.4	3.9	8.2	11.6	- 8.5 .7
RED RIVER VALLEY	299	3.39	- 2.8 -	2.4		55.4	1.39	- 3.6	2.4	1.5	11.3	- 23.2 - 13.9
TEXAS PANHANDLE	195	3.36	-	7.1 -	5.6	35.7	1.68	- 3.8	1.0	1.6	11.2	- 14.4 - 9.9
LUBBOCK - FLAINVIEW	184	3.45	-	5.0 -	.3	34.4	1.50	4.1	4.7	1.1	11.9	- 12.9 - 25.7
SOUTHERN GROUP												
NORTHERN LOUISIANA	335	3.83	-	.2	1.4	67.7	1.61	9.3	7.0	1.8	11.5	.7 4.1
NEW ORLEANS	676	3.87	-	1.5	.6	119.6	1.54	11.8	7.3	6.7	11.9	- 3.6 - 1.4
NORTH TEXAS	1,669	3.36	-	4.0	.5	469.5	1.48	- .9	3.8	18.6	11.3	2.4 - .9
CENTRAL WEST TEXAS	276	3.36	-	4.9 -	2.6	95.3	1.59	- .7	- 2.4	2.6	12.1	- 10.6 - 10.1
ALSTIN - WACO	451	3.40	1.0	3.5		107.3	1.28	15.3	9.0	3.6	12.4	.8 - 4.7
SAN ANTONIC	510	3.40	-	4.3	.5	55.8	1.02	15.3	11.0	3.3	11.2	- 3.1 - 7.2
CORPUS CHRISTI	364	3.45	-	.6	3.7	43.2	1.57	- 1.7	3.8	2.2	11.8	- 29.8 - 11.1
SOUTH TEXAS	1,448	3.64	-	1.1	1.1	519.0	1.61	2.9	8.7	12.0	11.5	13.3 - 2.4
MOUNTAIN												
EASTERN COLORADO	1,021	3.36	-	6.7 -	2.5	487.9	1.75	12.1	13.7	17.0	12.0	- 6.8 - 3.8
GREAT BASIN	487	3.39	4.7	-	.1	391.8	1.91	13.3	13.8	9.3	11.9	48.2 12.1
CENTRAL ARIZONA	1,011	3.47	2.8	4.9		272.8	1.41	13.2	9.8	10.9	10.8	- 4.1 - 1.6
RIO GRANDE VALLEY	832	3.40	.3	1.0		131.4	1.65	12.0	8.5	7.5	11.8	- 4.2 - 2.3
PACIFIC												
PUGET SOUND	952	3.52	-	14.0 -	8.6	745.2	1.83	6.1	9.0	21.1	12.0	- 8.1 - 6.4
INLAND EMPIRE	189	3.55	-	3.7 -	7.0	193.7	1.89	12.6	7.0	5.0	11.4	- 1.6 - 5.5
OREGON-WASHINGTON	1,165	3.45	-	7.9 -	4.9	751.8	1.83	10.6	12.3	26.5	12.0	- 5.0 - 6.5
COMBINED AREAS (58)	70,300	3.45	-	5.2 -	1.9	22,228.6	1.55	8.1	10.2	853.4	11.3	- 8.1 - 6.3
COMBINED AREAS ADJUSTED FOR CALENDAR COMPOSITION (58) 6/ ---	---	---	---	---	---	---	---	---	---	---	---	---
NEW YORK-NEW JERSEY 7/	---	---	---	---	---	---	---	---	---	---	---	---

CONTINUED

TABLE 7. WHOLE MILK, SKIN MILK ITEMS, MILK AND CREAM MIXTURES, CREAM, AND TOTAL FLUID ITEMS SOLD IN MARKETING AREAS DEFINED BY FEDERAL MILK ORDERS FOR MARKETS WHERE SUCH INFORMATION IS AVAILABLE, OCTOBER 1971 WITH COMPARISONS 1/-CON.

MARKETING AREA	CREAM				TOTAL FLUID			
	OCTOBER 1971		CHANGE 1971 FROM 1970		OCTOBER 1971		CHANGE 1971 FROM 1970	
	DAILY AVERAGE	BUTTERFAT CONTENT	OCTOBER	YEAR TO DATE	DAILY AVERAGE	BUTTERFAT CONTENT	OCTOBER	YEAR TO DATE
<u>1,000 LB.</u>								
WEST NORTH CENTRAL -CON.								
SOUTHERN GROUP								
ST LOUIS - CZARKS	10.2	17.7	- 0.8	- 4.1	1,933	2.90	0.1	0.1
KANSAS CITY	6.1	21.9	1.2	.8	1,633	2.95	-.6	.5
NECSCO VALLEY	.5	22.6	- 17.3	- 8.3	217	3.10	- 6.4	- 6.3
WICHITA	2.0	23.0	- 4.6	6.9	525	3.02	- 4.2	- 4.4
EAST SOUTH CENTRAL								
PACLAH	.6	21.1	- 9.0	.8	236	3.14	- 3.7	- 2.8
NASHVILLE	2.0	23.7	16.3	12.6	1,036	3.04	- 3.1	1.1
MEMPHIS	2.4	22.2	.1	.5	666	3.18	- 1.6	.4
KNCXVILLE	1.0	22.3	6.1	5.0	611	2.94	.1	3.1
CHATTANOGA	1.0	23.6	11.7	6.6	564	3.11	1.5	2.9
MISSISSIPPI	2.9	22.6	6.5	12.8	1,143	3.05	2.4	4.4
GEORGIA	8.8	21.0	- 10.7	- 8.5	2,798	3.03	1.3	2.7
WEST SOUTH CENTRAL								
NORTHERN GROUP								
CENTRAL ARKANSAS	1.6	23.0	- 3.9	.7	634	3.19	9.1	7.1
OKLAHOMA METROPOLITAN	3.1	21.3	- 4.5	7.8	1,152	3.13	2.1	5.1
RED RIVER VALLEY	2.3	19.2	68.3	68.3	359	3.22	- 2.8	- 1.4
TEXAS PANHANDLE	.8	26.8	- 9.2	- 3.1	233	3.25	- 6.7	- 4.6
LUBBOCK - FLAIRVIEW	.8	26.9	- 20.6	- 16.0	221	3.27	- 3.8	.3
SOUTHERN GROUP								
NORTHERN LOUISIANA	1.2	22.8	- 1.7	1.9	406	3.55	1.2	2.3
NEW ORLEANS	2.2	24.0	11.0	5.7	805	3.64	.2	1.5
NORTH TEXAS	12.4	24.7	5.8	2.0	2,169	3.15	- 3.2	1.2
CENTRAL WEST TEXAS	1.3	27.4	2.1	1.0	375	3.06	- 3.9	- 2.6
AUSTIN - WACO	1.5	25.7	- 10.8	- .5	563	3.11	3.4	4.4
SAN ANTONIO	.5	19.9	- 66.4	- 43.4	570	3.23	- 2.8	1.3
CORPUS CHRISTI	1.0	21.7	- 7.5	- 2.5	410	3.04	.9	3.6
SCLTH TEXAS	7.5	21.6	94.3	22.5	1,987	3.23	.2	3.0
MOUNTAIN								
EASTERN COLORADO	8.7	22.9	46.2	5.4	1,535	3.06	- 1.2	2.0
GREAT BASIN	6.9	26.8	17.3	19.5	885	2.98	8.7	5.8
CENTRAL ARIZONA	6.7	22.7	8.0	E.1	1,302	3.20	4.8	2.8
RIC GRANGE VALLEY	4.3	22.8	18.6	22.7	975	3.31	1.8	2.0
PACIFIC								
PLGET SCLNC	12.1	26.3	- 6.7	.2	1,730	3.06	- 6.2	- 2.0
INLAND EMPIRE	2.5	26.5	- 1.3	- 4.9	350	2.57	3.8	-.6
OREGON-WASHINGTON	12.5	27.7	.5	3.1	1,955	3.10	- 1.5	.9
COMBINED AREAS (58)	557.1	21.6	- 1.8	2.1	93,960	3.18	- 2.3	.7
COMBINED AREAS ADJUSTED FOR CALENDAR COMPOSITION (58) 6/	---	---	---	---	94,867	---	.7	1.0
NEW YORK-NEW JERSEY 7/	---	---	---	---	14,830	---	- 5.4	- 2.2

1/ In-area sales represent total fluid sales in each of the areas by handlers regulated under the respective orders, by handlers regulated under other orders, by partially regulated handlers, and by producer-handlers. Sales routes of handlers may extend outside defined marketing areas; therefore some handler in-area sales are partially estimated.

2/ Plain, flavored, and fluid equivalent of concentrated.

3/ Plain, fortified, and flavored skim and part skim milk, buttermilk and cultured specialties.

4/ Sales represent the area after the merger and expansion of Delaware Valley, Upper Chesapeake Bay, and Washington, D. C. August 1, 1970; and Tri-State, Cincinnati, Columbus, Miami Valley, and Northwestern Ohio, August 1, 1970.

5/ Sales represent the marketing area as defined after October 1, 1970, Eastern Ohio-Western Pennsylvania; and January 1, 1971, Central Illinois.

6/ Figures are adjusted to eliminate variations due to calendar composition. See special article in FMOS-134, February 1971.

7/ Small amount of sales estimated.

Table 8.-Daily average sales of individual fluid milk products, in 58 selected marketing areas defined by Federal milk orders, January 1971 to date, with comparisons 1/

Item	January			February			March			April		
	Change 1971 from 1970		Daily	Change 1971 from 1970		Daily	Change 1971 from 1970		Daily	Change 1971 from 1970		Daily
	Daily	Year	average	Feb.	to	average	March	to	average	April	to	date
	1,000 lb.	Percent	1,000 lb.	Percent	1,000 lb.	Percent	1,000 lb.	Percent	1,000 lb.	Percent	1,000 lb.	Percent
Whole milk 2/	67,681.7	- 4.9	68,598.7	- 1.1	- 3.2	68,461.6	+ 2.2	- 1.4	66,847.1	- 2.0	- 1.5	
Flavoured whole milk	2,746.7	+ 1.7	2,924.4	+ 1.4	+ 1.6	3,050.4	+ 18.7	+ 7.2	2,742.2	- 4.0	+ 4.3	
Total whole milk items	70,428.4	- 4.7	71,523.0	- 1.0	- 3.0	71,511.9	+ 2.8	- 1.0	69,589.3	- 2.1	- 1.3	
Lowfat (2%) milk												
Plain	3,928.3	+ 27.1	4,106.9	+ 29.5	+ 28.3	4,103.5	+ 30.3	+ 28.5	4,247.1	+ 24.1	+ 27.4	
Solids added	9,615.9	+ 1.9	9,993.4	+ 9.9	+ 5.6	9,892.7	+ 11.0	+ 6.1	9,809.8	+ 8.7	+ 6.8	
Skim milk												
Plain	1,032.3	- 3.1	- 3.1	1,081.1	+ 1.9	- .7	1,136.1	+ 11.7	+ 3.6	1,181.9	+ 12.2	+ 5.7
Solids added	2,739.4	- 5.2	- 5.2	2,973.8	+ 1.4	- 2.0	3,219.9	+ 9.1	+ 6.2	3,191.9	+ 7.2	+ 6.5
Buttermilk	1,892.0	- 2.1	- 2.1	1,922.6	+ 2.2	- 1.0	1,965.4	+ 2.7	+ .3	1,976.6	+ .6	+ .4
Yogurt	130.5	+ 45.1	+ 45.1	185.9	+ 72.8	+ 59.5	208.9	+ 79.7	+ 67.2	179.5	+ 34.5	+ 57.5
Flavored milk drinks	798.9	- 4.8	- 4.8	824.8	- .3	- 2.7	832.0	- .7	- 2.0	835.1	- 5.7	- 3.0
Total skim and lowfat												
milk items	20,137.4	+ 4.1	+ 4.1	21,088.5	+ 10.3	+ 7.0	21,358.5	+ 13.0	+ 9.1	21,421.9	+ 10.1	+ 9.3
Milk and cream mixtures												
Light cream	856.1	- 10.1	- 10.1	895.4	- 6.3	- 8.3	891.6	- 5.4	- 7.3	895.7	- 5.3	- 6.8
Heavy cream	139.5	- 7.2	- 7.2	142.8	- 4.2	- 5.7	143.1	- 3.6	- 5.0	143.1	- 1.6	- 4.2
Sour cream	120.1	- 6.1	- 6.1	135.4	- 3.0	- 4.6	144.6	- 12.7	- 7.8	171.1	+ 15.6	- 1.8
Total cream items	266.3	+ 1.9	+ 1.9	298.8	+ 14.3	+ 7.8	297.3	+ 5.5	+ 7.0	300.1	+ 13.5	+ 8.6
Total fluid milk and												
cream	525.9	- 2.5	- 2.5	577.0	+ 4.9	+ 1.1	585.1	- 1.8	0	614.2	+ 10.1	+ 2.5
Total fluid milk and												
cream adjusted for	91,950.3	- 2.9	- 2.9	94,084.7	+ 1.3	- 1.0	94,356.3	+ 4.9	+ 1.0	92,546.1	+ .5	+ .9
calendar composition 3/	92,832.2	+ .1	+ .1	94,084.7	+ 1.3	+ 1.0	93,561.0	+ 1.7	+ 1.0	91,557.3	- 4.2	- 7.7

Continued

Table 8.--Daily average sales of individual fluid milk products, in 58 selected marketing areas defined by Federal milk orders, January 1971 to date, with comparisons 1/ -Con.

		May	June	July	August
		: Change 1971 from 1970			
Item		Daily	Daily	Daily	Daily
	average	May : to : date	average : June : to : date	average : July : to : date	average : Aug. : to : date
		<u>1,000 lb.</u>	<u>Percent</u>	<u>1,000 lb.</u>	<u>Percent</u>
				<u>1,000 lb.</u>	<u>Percent</u>
Whole milk 2/		63,135.5 : - 2.4 : - 1.7	59,957.7 : - 3.1 : - 1.9	61,081.9 : - 0.3 : - 1.7	59,963.0 : - 2.0 : - 1.7
Flavored whole milk		2,727.6 : + 5.4 : + 4.5	1,685.8 : + 6.9 : + 4.7	1,439.2 : + 2.6 : + 4.5	1,617.5 : + 2.3 : + 4.3
Total whole milk items		65,863.1 : - 2.1 : - 1.5	61,643.5 : - 2.9 : - 1.7	62,521.1 : - .3 : - 1.5	61,580.5 : - 1.9 : - 1.5
Lowfat (2%) milk					
Plain		3,888.8 : + 25.9 : + 27.1	3,922.5 : + 26.1 : + 26.9	4,065.3 : + 29.4 : + 27.3	4,072.7 : + 29.3 : + 27.6
Solids added		9,935.4 : + 8.9 : + 7.2	9,401.8 : + 7.7 : + 7.3	9,457.9 : + 11.0 : + 7.8	9,261.1 : + 9.0 : + 7.9
Skim milk					
Plain		1,145.1 : + 13.6 : + 7.3	1,064.8 : + 11.2 : + 7.9	1,059.5 : + 18.2 : + 9.2	1,017.7 : + 14.2 : + 9.8
Solids added		3,100.7 : + 6.0 : + 6.4	3,049.8 : + 8.3 : + 6.6	3,069.4 : + 11.0 : + 7.3	3,029.7 : + 9.0 : + 7.5
Buttermilk		1,910.8 : - 2.3 : - 1.2	1,999.6 : + .4 : - .1	2,019.9 : + 2.5 : + .3	1,895.8 : - 2.2 : 0
Yogurt		203.7 : + 67.8 : + 59.7	224.0 : + 94.4 : + 65.6	197.2 : + 104.1 : + 70.4	189.9 : + 81.9 : + 71.8
Flavored milk drinks		790.2 : - 4.1 : - 3.2	859.7 : - .4 : - 2.7	858.6 : - 1.3 : - 2.5	886.3 : + 2.2 : - 1.9
Total skin and lowfat milk items		20,374.7 : + 10.2 : + 9.5	20,522.2 : + 10.5 : + 9.7	20,727.7 : + 13.5 : + 10.2	20,353.2 : + 11.7 : + 10.4
Milk and cream mixtures		856.4 : - 7.6 : - 7.0	873.4 : - 8.7 : - 7.2	878.3 : - 2.9 : - 6.6	851.1 : - 4.4 : - 6.4
Light cream		136.5 : - 5.0 : - 4.3	134.3 : - 8.7 : - 5.1	131.5 : - 3.5 : - 4.8	131.2 : - 8.5 : - 5.3
Heavy cream		157.8 : - 2.5 : - 2.5	171.1 : + 1.6 : - 1.8	162.0 : + 8.2 : - .4	139.9 : + 5.8 : + .3
Sour cream		282.1 : + 8.2 : + 8.5	305.2 : + 4.8 : + 7.9	303.8 : + 10.1 : + 8.2	307.0 : + 7.8 : + 8.1
Total cream items		576.5 : + 1.8 : + 2.2	610.6 : + .6 : + 1.9	597.3 : + 6.3 : + 2.6	578.1 : + 3.1 : + 2.6
Total fluid milk and cream		87,672.1 : + .5 : + .8	83,694.8 : + .1 : + .7	84,801.1 : + 2.9 : + 1.0	83,437.0 : + 1.2 : + 1.0
Total fluid milk and cream adjusted for calendar composition 3/		88,835.8 : + .8 : + .7	83,469.4 : + .6 : + .7	83,024.4 : + 1.9 : + .8	85,331.4 : + 2.2 : + 1.0

Table 8.--Daily average sales of individual fluid milk products, in 58 selected marketing areas defined by Federal milk orders, January 1971 to date, with comparisons 1/-Con.

Item	September			October			November			December		
	Daily average		Change 1971 from 1970	Daily average	Change 1971 from 1970		Daily average	Change 1971 from 1970		Daily average	Change 1971 from 1970	
	Sept.	to date	Year	Oct.	to date	Year	Oct.	to date	Nov.	to date	Dec.	to date
	1,000 lb.	Percent		1,000 lb.	Percent		1,000 lb.	Percent	1,000 lb.	Percent	1,000 lb.	Percent
Whole milk 2/ Flavored whole milk	67,432.2 : 3,134.5 :	- 1.9 : + 7.3 :	- 1.8 : + 4.8 :	67,111.1 : 3,188.5 :	- 5.6 : + 3.4 :	- 2.2 : + 4.6 :						
Total whole milk items	70,557.7 :	- 1.6 :	- 1.5 :	70,209.6 :	- 5.2 :	- 1.9 :						
Lowfat (2%) milk												
Plain	4,486.7 :	+ 25.9 :	+ 27.6 :	4,560.6 :	+ 18.1 :	+ 26.4 :						
Solids added	10,025.7 :	+ 8.8 :	+ 8.0 :	10,190.1 :	+ 5.8 :	+ 7.7 :						
Skim milk												
Plain	1,076.6 :	+ 10.4 :	+ 9.9 :	1,123.4 :	+ 8.7 :	+ 9.7 :						
Solids added	3,281.8 :	+ 9.9 :	+ 7.7 :	3,344.6 :	+ 9.7 :	+ 7.9 :						
Buttermilk	1,889.8 :	- 1.2 :	- 1.1 :	1,897.7 :	- 1.8 :	- .3 :						
Yogurt	195.8 :	+ 67.8 :	+ 71.4 :	206.0 :	+ 57.6 :	+ 69.7 :						
Flavored milk drinks	921.5 :	0 :	- 1.7 :	903.2 :	- 1.9 :	- 1.7 :						
Total skim and lowfat milk items	21,877.8 :	+ 11.1 :	+ 10.5 :	22,228.6 :	+ 8.1 :	+ 10.2 :						
Milk and cream mixtures	862.9 :	- 3.7 :	- 6.1 :	853.4 :	- 8.1 :	- 6.3 :						
Light cream	134.1 :	- 9.1 :	- 5.7 :	133.8 :	- 11.5 :	- 6.3 :						
Heavy cream	138.4 :	+ 8.6 :	+ 1.1 :	132.8 :	+ 1.8 :	+ 1.2 :						
Sour cream	307.4 :	+ 5.0 :	+ 7.8 :	290.5 :	+ 1.8 :	+ 7.1 :						
Total cream items	580.7 :	+ 2.3 :	+ 2.6 :	557.1 :	- 1.8 :	+ 2.1 :						
Total fluid milk and cream	93,879.5 :	+ 1.1 :	+ 1.0 :	93,550.9 :	- 2.3 :	+ .7 :						
Total fluid milk and cream adjusted for calendar composition 3/	93,710.8 :	+ 1.2 :	+ 1.0 :	94,861.1 :	+ .7 :	+ 1.0 :						

1/ See table 7 for 58 markets included.  
2/ Includes whole milk equivalent of concentrated milk.  
3/ Figures are adjusted to eliminate variations due to calendar composition. See special article in Federal Milk Order Market Statistics-134, February 1971.

Table 9.--Percentage of whole milk equivalent used in the production of manufactured dairy products, in 58 selected Federal order markets, January 1971 to date, with comparisons <sup>1/</sup>

Manufactured dairy products	January		February		March		April		May		June	
	1971	1970	1971	1970	1971	1970	1971	1970	1971	1970	1971	1970
<u>Percent</u>												
Butter	48.8	45.1	47.5	43.9	44.7	41.3	44.4	43.0	43.1	41.6	39.3	39.2
Cheese	17.3	15.8	17.8	16.9	18.8	17.9	20.2	18.8	21.6	19.8	21.5	19.2
Frozen desserts and condensed whole milk	24.4	28.7	25.3	28.7	26.3	29.6	25.7	28.4	24.7	28.1	29.2	31.4
Cottage cheese	4.6	4.7	4.7	5.0	5.1	4.7	4.7	4.6	4.4	4.2	4.3	4.4
Other factory products <sup>2/</sup>	4.9	5.7	4.7	5.5	5.1	6.5	5.0	5.2	6.2	6.3	5.7	5.8
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Manufactured dairy products	July		August		September		October		November		December	
	1971	1970	1971	1970	1971	1970	1971	1970	1971	1970	1971	1970
<u>Percent</u>												
Butter	34.8	34.4	34.8	33.7	35.1	35.3	41.3	41.5	41.5	41.5	41.5	41.5
Cheese	21.7	19.4	21.2	17.4	16.8	15.8	19.0	17.1	17.1	17.1	17.1	17.1
Frozen desserts and condensed whole milk	34.0	36.6	34.6	38.2	36.0	37.5	29.7	31.6	31.6	31.6	31.6	31.6
Cottage cheese	5.0	4.5	4.5	4.8	5.1	5.7	4.7	5.1	5.1	5.1	5.1	5.1
Other factory products <sup>2/</sup>	4.5	5.1	4.9	5.9	5.0	5.7	5.3	4.7	4.7	4.7	4.7	4.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<sup>1/</sup> Data represent whole milk equivalent based on milkfat content. Includes producer milk and some other source milk used to produce manufactured dairy products in regulated pool plants as well as milk diverted and shipped to nonpool plants for processing. Some of the data are partially estimated. See table 7 for 58 markets included.

<sup>2/</sup> Includes evaporated and dry whole milk, milk used in candy, soup, bakery products, etc.

Table 10.--Federal order base and excess prices for milk of 3.5 percent butterfat content, November 1/

Marketing area	Base price			Excess price			Marketing area	Base price			Excess price		
	November		1971	November		1971		November		1971	November		1970
	: Dollars per 100 lb.			:				: Dollars per 100 lb.			:		
Central Arkansas							Middle Atlantic			6.93	---	4.92	---
Chattanooga							Nashville						
Fort Smith							Oregon-Washington			6.20	6.10	4.84	4.65
Georgia	7.08	6.91	4.84	4.82			Puget Sound 2/			6.45	6.44	4.92	4.74
Kansas City							Southern Michigan			6.03	5.95	4.84	4.66
Memphis													

1/ See footnotes on table 2 for location at which price is reported.

2/ Class I base plan.

Table 11.--Seasonal incentive fund included under various Federal milk orders, November

Marketing area	November		Marketing area	November		
	1971 : 1970			1971 : 1970		
	Dol. per	100 lb.		Dol. per	100 lb.	
Boston Regional	0.18	0.20	Nebraska-Western Iowa 1/			
Central Illinois	.30	.40	New York-New Jersey	0.19	0.21	
Connecticut	.24	.22	Ohio Valley	.28	.27	
Eastern Ohio-Western Pa.			Paducah	.51	.63	
Eastern South Dakota 2/	---	.24	St. Louis-Ozarks	.35	.40	
Indiana	.31	.35	Southern Illinois	.37	.35	
Louisville-Lexington-						
Evansville	.43	.45				

1/ Seasonal incentive payment plan suspended for 1970 and 1971.

2/ Seasonal incentive payment plan terminated February 1971.

Table 12.--Filled milk sales in Federal milk order markets, January 1971 to date, with comparisons 1/

Month	1970			1971		
	Markets		Volume	Markets		Volume
	Numbers	1,000 lb.	Numbers	1,000 lb.		
January	18	3,425	14		2,491	
February	19	2,913	15		2,218	
March	19	3,356	15		2,332	
April	18	3,233	16		2,159	
May	17	3,025	15		1,929	
June	18	2,859	15		1,765	
July	19	2,833	13		1,701	
August	18	2,756	13		1,609	
September	15	2,774	14		1,685	
October	16	2,903	14		1,823	
November	16	2,570	13		1,637	
December	13	2,611				

1/ The survey information reported here may not reflect all sales of filled milk in all order markets.

Table 13.--Dairy product prices and manufacturing milk prices used in Federal milk order pricing formulas, January 1971 to date, with comparisons

Month	Dairy product market prices		::CHEDDAR CHEESE :: NONFAT DRY MILK, :: (barrel) :: SPRAY	
	BUTTER		::Wis. assembling:: Chicago area :: points :: plant /	
	Chicago	New York	92-Score	92-Score 1/ 92-Score
1971	92-Score	93(92)-Score	92-Score	93-Score
1971	1970	1971	1970	1971
				Cents per pound
January	69.77	67.61	69.77	67.61 :: 70.75
February	69.78	67.60	69.78	67.60 :: 70.75
March	69.78	67.95	69.78	67.95 :: 70.73
April	67.78	69.83	67.78	69.83 :: 68.82
May	67.78	69.85	67.78	69.85 :: 68.72
June	67.78	69.81	67.78	69.81 :: 68.75
July	67.78	69.80	67.78	69.80 :: 68.74
August	67.78	69.80	67.78	69.80 :: 68.74
September	68.13	70.52	68.12	70.53 :: 69.80
October	67.95	70.12	67.95	70.15 :: 68.83
November	67.94	69.88	67.97	69.83 :: 68.79
December	70.40	70.46	70.46	70.46 :: 70.68

Month	Prices paid for manufacturing grade milk, 3.5% butterfat content			
	U. S. manufacturing plants 3/	Minn.-Wis. Manuf. grade milk 4/	Butter-powder "Snubber" 5/	
			Loc. plants as listed in Appalachian	Dollars per 100 lb. f.o.b. Plant
1971	1970	1971	1970	1971
January	4.69	4.53	4.79	4.67 :: 4.66 :: 4.25 :: 3.71 :: 3.81
February	4.70	4.54	4.83	4.63 :: 4.67 :: 4.26 :: 3.73 :: 3.76
March	4.73	4.53	4.81	4.58 :: 4.68 :: 4.27 :: 3.73 :: 3.71
April	4.74	4.48	4.83	4.60 :: 4.76 :: 4.58 :: 3.74 :: 3.67
May	4.68	4.50	4.77	4.58 :: 4.96 :: 4.65 :: 3.74 :: 3.65
June	4.67	4.49	4.76	4.61 :: 4.67 :: 4.65 :: 3.75 :: 3.65
July	4.66	4.51	4.77	4.60 :: 4.96 :: 4.67 :: 3.74 :: 3.65
August	4.68	4.50	4.77	4.61 :: 4.95 :: 4.65 :: 3.74 :: 3.65
September	4.69	4.54	4.83	4.66 :: 4.98 :: 4.68 :: 3.74 :: 3.64
October	4.73	4.60	4.82	4.77 :: 4.97 :: 4.67 :: 3.74 :: 3.67
November	4.74	4.68	4.84	4.82 :: 4.97 :: 4.65 :: 3.76 :: 3.70
December	4.71		4.83	4.83 :: 4.68 :: 3.72 :: 3.72

1/ 16th of preceding month through 15th of current month. 2/ 26th of preceding month through 25th of current month. 3/ 3.5 percent price converted by using Chicago 92-score butter price times 0.115. 4/ 3.5 percent price converted by using Chicago 92-score butter prices times 0.120. 5/(Chicago 92-score butter price times 4.2) plus (nonfat dry milk, spray, Chicago area plant price times 8.2) less 48 cents.

Table 14.--U.S. milk prices, 3.5 percent butterfat basis 1/, January 1971 to date, with comparisons

Month	All milk wholesale <u>2/</u>	Milk eligible for fluid market <u>2/</u>	Paid by dealers for milk used in fluid products <u>3/</u>	Manufacturing grade milk <u>2/</u>			Paid farmers for milk used in: American cheese <u>4/</u>			Evaporated milk <u>5/</u>
				Butter <u>4/</u>			Butter <u>4/</u>			
	1971*	1970**	1971*	1970**	1971*	1970**	1971*	1970**	1971*	
Dollars per 100 pounds										
Jan.	5.74	5.59	6.11	5.96	7.10	6.92	4.68	4.52	4.64	4.45
Feb.	5.68	5.53	6.04	5.91	7.07	6.94	4.69	4.54	4.66	4.45
Mar.	5.66	5.42	6.00	5.79	7.12	6.91	4.72	4.52	4.65	4.41
Apr.	5.61	5.41	5.95	5.77	7.11	6.88	4.73	4.48	4.67	4.48
May	5.51	5.32	5.84	5.67	7.14	6.89	4.68	4.49	4.69	4.49
June	5.46	5.30	5.78	5.65	7.11	6.88	4.67	4.49	4.70	4.50
July	5.57	5.43	5.93	5.81	7.11	6.90	4.66	4.51	4.70	4.54
Aug.	5.70	5.54	6.06	5.92	7.11	6.90	4.68	4.50	4.70	4.72
Sept.	5.85	5.71	6.22	6.10	7.11	6.92	4.68	4.53	4.70	4.54
Oct.	5.98	5.83	6.37	6.20	7.14	6.98	4.72	4.59	4.74	4.70
Nov.	5.91	5.83	6.25	6.17	7.14	7.05	4.73	4.66	4.77	4.64
Dec.	5.80				6.13	7.09		4.70		4.72
Av.		5.56		5.92		6.94		4.54		4.53

\* Preliminary. \*\* Revised.

1/ Converted by using Chicago 92-score butter times 0.120.2/ "Agricultural Prices," SRS.3/ 3.5% price as reported in the "Fluid Milk and Cream Report," SRS.4/ "Milk Prices Paid by Creameries and Cheese Plants," SRS.5/ "Evaporated, Condensed and Dry Milk," SRS.

Table 15.--Retail prices paid by consumers for dairy products, United States, January 1971 to date, with comparisons

Month	Milk				Ice cream		Cheese		Butter 2/	
	25-city average 1/		At stores		(prepackaged) 2/		American process 2/			
	1971	1970	1971	1970	1971	1970	1971	1970	1971	1970
	Cents per $\frac{1}{2}$ gal.	Cents per $\frac{1}{2}$ lb.								
January	57.8	56.9	65.6	64.1	85.9	83.2	51.9	49.0	87.7	85.8
February	57.6	57.0	65.7	64.2	85.4	83.2	52.0	49.5	87.8	85.6
March	57.7	57.0	66.0	64.5	84.9	83.6	52.1	50.0	87.7	85.5
April	58.0	57.1	66.3	64.7	84.6	83.6	52.5	50.3	87.8	86.0
May	57.8	57.1	66.7	64.8	84.8	84.1	52.6	50.3	87.5	86.6
June	58.0	57.1	66.8	64.9	84.6	84.5	53.0	50.3	87.6	86.7
July	57.9	57.4	67.3	64.7	86.2	85.0	53.2	50.5	87.5	86.9
August	58.0	57.4	67.5	65.0	85.7	85.4	53.1	50.6	87.5	87.0
September	57.9	57.5	67.4	64.8	85.9	85.3	53.0	50.5	87.6	86.9
October	57.9	58.0	67.5	65.2	85.3	85.2	53.2	50.7	87.6	87.3
November	57.8	57.7	67.5	65.2		85.4		51.0		87.6
December	57.8	57.6	67.5	65.4		85.4		51.6		87.7
	:	:	:	:	:	:	:	:	:	:

1/ "Fluid Milk and Cream Report," SRS. Prices are the latest reported to the 10th of each month. Grade and kind of container may differ by markets.

2/ "Retail Food Prices," BLS.

Table 16.--Prevailing prices paid by consumers for the most common grade of whole milk, 25 cities, December 1971, with comparisons 1/

Market	Prices at stores				Prices delivered to homes			
	Dec.	Dec.	Nov.	Dec.	Dec.	Dec.	Nov.	Dec.
	1969	1970	1971	1971	1969	1970	1971	1971
Gents per half-gallon								
Boston, Mass.	55-57	58-60	58-60	58-60	66-72	68-74	70-75	70-75
Hartford, Conn.	56-57	53	57	57	70-71	70-80	73-78	73-78
New York, Metro., N.Y.2/	55-70	55-65	55-65	57-67	60-67	58-65	60-70	60-72
Philadelphia, Pa.	62	66	66	66	70-76	70-78	78-79	78-79
Pittsburgh, Pa.	61	65	65	65	65-68	69	69	69
Cleveland, Ohio	49-51	53-56	49-55	49-55	61-62	67-73	69-73	69-73
Indianapolis, Ind.	51	54	50-55	50-55	64-67	67	70	70
Chicago, Ill.	55-58	55-57	60	60	62-67	60-68	65-70	65-70
Detroit, Mich.	53-55	44-49	53	53	62	56	59	59
Milwaukee, Wis.	51-53	49-51	50	50	56-57	57-59	60-61	60-61
	:	:	:	:	:	:	:	:
Mpls.-St. Paul, Minn.	44	49	48	47	54	58	57	57
Kansas City, Mo.	55-57	57-61	61	61	64	59	64	64
Omaha, Nebr.	50-57	52-59	52-55	52-55	56	58	58	58
Baltimore, Md.	58	62-72	62	62	71	73	73-75	73-75
Washington, D. C.	57	57-67	59	59	71	72-78	79	79
Jacksonville, Fla.	65-69	59-69	59	59	67	69	63-69	63-69
Louisville, Ky.	55-57	59-62	59-64	59-64	62-64	65-67	67-69	67-69
New Orleans, La.	63	63	64	64	64	64	66	66
Dallas, Texas	63-64	59-64	59-65	59-65	65-66	65-66	66-68	66-68
Denver, Colo.	51-53	54-56	57-59	57-59	59	62	66	66
	:	:	:	:	:	:	:	:
Salt Lake City, Utah	55	61	59	59	56	59	59	59
Seattle, Wash.	51-60	54-63	54-63	54-63	53-61	56-64	60-76	60-76
Portland, Oreg.	54-62	49-58	55	55	68	70	70-75	70-75
Los Angeles, Calif.	50	52	54	54	63	65	67	67
San Francisco, Calif.	51	54	56	56	3/61	3/65	67	67
25 Cities average	56.0	57.6	57.8	57.8	63.8	65.4	67.5	67.5

1/ "Fluid Milk and Cream Report," SRS. Prices are the latest reported to the 10th of each month. Grade and kind of container may differ by markets.

2/ New York Metropolitan: New York City plus Nassau, Suffolk and Westchester Counties.

3/ Includes 3-cent delivery charge for first unit of each home delivery.

Table 17.--U.S. production, January 1971 to date, with comparisons

Month	Milk 1/		Butter 2/		American cheese 2/		Nonfat dry milk 3/	
	1971*	1970**	1971*	1970**	1971*	1970**	1971*	1970*
	Bil. lb.		Mil. lb.		Mil. lb.		Mil. lb.	
Jan.	9.5	9.4	103.8	99.7	113.8	105.8	117.0	102.5
Feb.	9.0	8.9	97.8	92.5	104.8	102.3	114.8	106.8
Mar.	10.2	10.1	111.0	107.0	126.9	120.4	134.1	132.2
Apr.	10.4	10.3	113.0	110.9	137.3	130.5	157.2	148.4
May	11.2	11.1	119.5	116.9	159.0	148.2	186.5	185.7
June	10.8	10.8	112.2	113.3	161.9	150.7	177.8	169.5
July	10.3	10.2	90.2	92.1	141.6	134.6	137.3	141.4
Aug.	9.9	9.8	79.6	78.7	129.6	117.7	117.6	117.7
Sept.	9.4	9.3	69.0	71.8	112.4	103.6	92.2	88.1
Oct.	9.4	9.3	79.4	81.6	111.2	104.5	93.5	89.6
Nov.	9.0	8.8	73.3	78.9	103.3	95.5	77.4	72.4
Dec.		9.3		93.1		112.1		116.9
Year to date	109.2	117.4	1,053.8	1,136.7	1,401.8	1,425.9	1,405.3	1,471.2

\* Preliminary. \*\*Revised. 1/ "Milk Production," SRS. 2/ "Production of Creamery Butter and Cheese," SRS. 3/ "Evaporated, Condensed and Dry Milk," SRS.

Table 18.--Commercial and Government storage holdings, January 1971 to date, with comparisons

Month	Storage Holdings 1/								
	Butter 2/			American Cheese 2/			Nonfat dry milk		
	Commer-	Total	Gov't	Commer-	Total	Gov't	Commer-	Gov't	Total
	cial	1971*	1971*	cial	1971*	1971*	cial	1971*	1971*
	:	:	:	:	:	:	:	:	:
	Million pounds			Million pounds			Million pounds		
Jan.	27.4	91.9	119.3	77.4	254.3	0.8	255.1	249.6	97.7
Feb.	30.9	102.3	133.2	81.3	242.5	.8	243.3	238.0	89.8
Mar.	36.0	121.9	157.9	91.1	235.4	.9	236.3	238.9	90.4
Apr.	22.2	158.2	180.4	114.2	247.4	.6	248.0	257.7	104.9
May	33.5	176.3	209.8	146.6	267.1	1.7	268.8	281.5	136.9
June	33.4	201.7	235.1	186.0	293.8	3.0	296.8	313.2	157.1
July	35.6	217.4	253.0	203.5	308.2	3.4	311.6	324.4	164.1
Aug.	31.5	215.3	246.8	198.0	300.8	3.1	303.9	309.4	155.6
Sept.	26.7	195.3	222.0	171.3	280.7	2.9	283.7	290.7	119.7
Oct.	34.2	154.7	188.9	147.5	259.3	3.1	262.4	264.8	106.5
Nov.	38.7	114.4	153.1	134.3	243.5	3.2	246.7	254.8	91.3
Dec.				118.8			254.0		143.9

\*Preliminary. \*\*Based on partially revised data. 1/ End of month. 2/ "Cold Storage Report," SRS.

3/ "Evaporated, Condensed and Dry Milk," SRS. 4/ "Summary of Processed Commodities in Store," ASCS.

Table 19.--U.S.D.A. purchases (Delivery basis), January 1971 to date, with comparisons

Month	Butter 1/		American cheese 1/		Nonfat dry milk 1/		Milk equivalent of net U.S.D.A. purchases 2/	
	1971	1970	1971	1970	1971	1970	1971	1970
	1,000 lb.		1,000 lb.		1,000 lb.		Mil. lb.	
Jan.	25,077	13,998	168	3/ 1,949	23,255	24,942	557	314
Feb.	36,538	27,282	4,334	3/ 2,150	29,931	24,491	833	595
Mar.	56,483	17,782	9,408	3/ 1,949	30,296	33,183	1,298	394
Apr.	22,635	30,394	5,981	403	37,662	35,687	563	643
May	33,606	47,348	7,753	5,767	57,362	47,818	802	1,054
June	57,288	50,203	10,465	8,981	80,435	66,371	1,329	1,146
July	26,702	25,219	10,848	8,875	54,829	53,365	691	649
Aug.	14,784	12,204	13,684	8,095	42,474	35,281	468	352
Sept.	5,323	4,928	10,516	5,664	39,575	35,948	206	164
Oct.	5,298	5,135	6,518	2,150	21,107	33,201	190	153
Nov.	6,151	6,978	5,660	1,781	16,985	27,864	200	178
Dec.		4,928		1,177		33,482		132
Year to date	289,885	246,399	4/ 85,335	48,941	5/ 433,911	6/ 451,633	7/ 7,137	8/ 5,774

1/ "Dairy Price Support Activity Report," ASCS. 2/ U.S.D.A. purchases (delivery basis) of butter, cheese, and evaporated milk, minus U.S.D.A. domestic sales for unrestricted use of butter and cheese, includes purchases under price support, Section 709, and Section 32 program. 3/ Purchased under Section 709 of the Agricultural Act of 1965. 4/ Includes 5,309 thousand pounds of American cheese purchased under Section 709, January to date 1971. 5/ Includes purchase of instant nonfat dry milk of 81,421 thousand pounds January to date 1971, and 40,272 thousand pounds, same period in 1970. 6/ Includes purchase of instant nonfat dry milk of 45,883 thousand pounds for the year 1970. 7/ Includes purchase of evaporated milk of 220 million pounds January to date 1971 and 87 million pounds, same period in 1970; and, purchases of dry whole milk of 2 million pounds November 1971. 8/ Includes purchase of evaporated milk of 103 million pounds for the year 1970.

HIGHLIGHTS

1. In Federal milk order markets, 11 percent of total fluid milk sales or 14 percent of wholesale sales were vertically integrated.
2. In 42 markets with vertically integrated plants, 13 percent of total fluid milk sales or 16 percent of wholesale sales were vertically integrated.
3. In 42 markets which provided data on chain stores sales,
  - a. 29 percent of total fluid milk sales or 36 percent of wholesale sales were made through chain stores; and
  - b. 31 percent of chain store sales were vertically integrated.

INTRODUCTION

An increasing proportion of fluid milk products is sold through chain stores which have their own processing facilities. Conversely, numerous milk processors have integrated into retailing by opening chains of dairy convenience stores. A survey of the 67 Federal milk marketing orders in effect in November 1969 was taken to determine the extent of vertical integration among regulated handlers. Of the 66 2/ reporting markets, 42 indicated that at least one fluid milk processing plant regulated under the order was owned by or owned a chain 3/ of retail food stores. While no vertically integrated plants were regulated under the other 24 orders, many reported chain stores located in the marketing area receiving milk from fluid milk plants operated by the chain but regulated under another order.

Sales of fluid milk by vertically integrated handlers regulated under these 66 orders totaled 323 million pounds. These sales represented 11.4 percent of the total fluid milk sales by all handlers or 14.0 percent of their total wholesale sales 4/. (See table 20.)

The average volume of sales by vertically integrated firms in the 66 markets was 4.9 million pounds in November 1969. Twenty markets had a sales volume by vertically integrated firms of three million pounds or more.

The ten markets (listed alphabetically) which reported the largest volumes of fluid milk sales by vertically integrated firms during November 1969 were: Chicago Regional, Cincinnati, Delaware Valley, Eastern Ohio-Western Pennsylvania, Indiana, Massachusetts-Rhode Island-New Hampshire, North Texas, St. Louis-Ozarks, Southern Michigan, and Washington, D.C. The average volume of sales by vertically integrated firms in these ten markets was 24.1 million pounds, and as a group these markets accounted for three-fourths of all the reported vertically integrated sales.

On the average, sales by vertically integrated firms in the 66 markets reporting was 14.0 percent of wholesale sales. There were 20 markets where ten percent or more of wholesale sales were made by vertically integrated firms. The percentage of total wholesale sales of fluid milk processed by vertically integrated plants in the 42 markets reporting such plants ranged from 0.6 percent to 53.1 percent. The average percentage of wholesale sales processed by vertically integrated plants in these markets was 16.1 percent. A frequency distribution of these markets according to the percentage of vertical integration in November 1969 follows.

Vertically integrated sales as a percentage of wholesale	Number of markets	Percentage of markets	In 42 markets		
			Percentage of fluid milk processed by all vertically integrated handlers	Percentage of wholesale sales	
			Percent	Percent	Percent
0.1 to 5.0	12	28.6	2.7	13.9	
5.1 to 10.0	11	26.1	6.5	15.8	
10.1 to 20.0	12	28.6	40.4	41.5	
20.1 to 30.0	5	11.9	37.5	23.9	
30.1 to 40.0	1	2.4	6.0	2.8	
40.1 to 50.0	0	0	0	0	
over 50.0	1	2.4	6.9	2.1	
TOTAL	42	100.0	100.0	100.0	

MARKET CHARACTERISTICS

There are several common characteristics of markets where large volumes of milk were sold through vertically integrated chains. Generally, these markets had densely populated areas serviced by numerous retail food stores. The ten markets reporting the largest volumes of milk sold by integrated firms all had populations over 1.4 million people, half had more than five million people.

1/ Prepared by John R. Mengel and Norval Francis, Jr.

2/ Excludes the New York-New Jersey market.

3/ Generally, 11 or more stores nationally (supermarkets, convenience, or dairy stores) primarily engaged in food retailing and either under common management, being franchised by a common company or belonging to a common purchasing association.

4/ Wholesale sales are all fluid milk sales in and out of area other than home delivery.

Nine of these ten markets were located in the North Central or Northeastern section of the country. Of the milk reported as processed and sold by all vertically integrated chains, over 72 percent was regulated under the North Central and Northeastern orders. Half of the population of the 66 reporting markets lived in these two regions. Sixteen of the 24 markets reporting no regulated vertically integrated plants had populations under 750,000 and nine of these had less than 500,000 people.

#### THE VERTICALLY INTEGRATED CHAIN

Vertically integrated food chains generally operate fluid milk processing plants in areas where their store concentration is high--allowing many stores to be serviced by a single plant. Over the years, advances in transportation and refrigeration have expanded the area in which a single plant can deliver its packaged fluid milk products. A food chain can now process milk at one large bottling plant and distribute packaged products in many marketing areas.

Seventy-three integrated firms with one or more regulated fluid milk processing plants were reported in Federal order markets in November 1969. The total volume of fluid milk products processed by these plants for sale through their stores was more than 323 million pounds. Such sales for individual companies ranged from 33,000 pounds to 54 million pounds. A frequency distribution of these 73 companies according to the volumes sold through their stores in November 1969 shows:

Sales of fluid milk through chain stores by vertically integrated handlers	:	Vertically Integrated Firms	:	Percentage of fluid milk sales through chain stores by vertically integrated handlers
<u>1,000 lb.</u>	:	Number	:	<u>Percent</u>
1 - 499	:	29	:	39.7
500 - 999	:	11	:	15.1
1,000 - 1,999	:	13	:	17.8
2,000 - 4,999	:	4	:	5.5
5,000 - 9,999	:	8	:	11.0
10,000 - 19,999	:	5	:	6.8
20,000 or more	:	3	:	4.1
TOTAL	:	73	:	100.0
	:		:	

In many cases the plant and most of the associated chain stores were operated within the boundaries of one marketing area. The operations of several companies, however, were regional or national in scope. The number of markets in which individual companies operated ranged from one to 20 markets.

#### FORWARD AND BACKWARD INTEGRATION

An attempt was made to measure the extent of vertical integration regardless of whether it came about by forward integration of fluid milk processors into store retailing or backward integration of retail food chain stores into fluid milk processing. However, to find an indicator of the relative importance of backward and forward integration in Federal order markets, the chain stores in the North Central region which were reported as vertically integrated chain stores were examined further. Twenty-eight orders were in effect in the North Central region in November 1969.

A total of 38 vertically integrated chains were reported to have plants regulated under these 28 orders. The volume of milk processed by these regulated plants and sold through the chains' stores was nearly 181 million pounds in November 1969, 12.4 percent of total fluid sales for these 28 markets.

Nine of these 38 chain stores were considered to have vertically integrated backwards from retailing food products into the processing of fluid milk products. These nine companies accounted for 119 million pounds or 66 percent of the 181 million pounds of fluid milk products processed by all vertically integrated plants in this region. The other 61 million pounds of sales by vertically integrated firms were handled by 29 firms which were considered to have integrated forward from the processing of fluid milk products into the retailing of fluid milk through stores.

These statistics indicated that backward integration of food retailers into fluid milk processing was relatively more important in terms of volume of milk in the North Central region. In terms of number of firms, however, nearly three times as many firms have integrated forward into retailing than backward into processing.

#### CHAIN STORE SALES IN FEDERAL ORDER MARKETS

A by-product of the survey on vertical integration was the collection of data from 42 markets on sales of fluid milk products through chain stores. These sales totaled 445 million pounds or 35.6 percent of wholesale sales. For eleven markets, sales through chain stores accounted for over 40 percent of the markets' total wholesale sales; and in four of these 11 markets, it was over 50 percent.

Of the 445 million pounds of sales through chain stores by all regulated handlers, 139 million pounds or 31.2 percent were from vertically integrated handlers under 26 of the 42 orders. The other 16 markets did not have any vertically integrated plants.

Table 20.--Reported sales through chain stores by vertically integrated handlers and reported sales through chain stores, total wholesale sales and total sales of fluid milk products by all regulated handlers, by region and selected groups of markets, November 1969

Region	Sales of fluid milk		Total		Total sales of fluid		Vertically integrated sales through chain stores as a percentage of:		Handler sales through chain stores as a percentage of:	
	through chain stores by		wholesale sales of fluid milk		milk by		All		Total	
	All	regulated handlers	regulated handlers	handlers	regulated handlers	handlers	fluid milk sales through chain stores	sales of fluid milk	wholesale sales of fluid milk	total sales of fluid milk
<u>1,000 lbs.</u>										
NEW ENGLAND AND MIDDLE ATLANTIC 1/	56,239	114,839	285,040	385,112	49.0	19.7	15.7	40.3	32.1	
SOUTH ATLANTIC	34,644	2/	231,603	277,615	2/	15.0	12.5	2/	2/	
EAST NORTH CENTRAL	157,787	2/	851,301	1,066,830	2/	18.5	14.8	2/	2/	
WEST NORTH CENTRAL	23,143	2/	317,939	394,456	2/	7.3	5.9	2/	2/	
EAST SOUTH CENTRAL	5,984	2/	186,026	205,146	2/	3.2	2.9	2/	2/	
WEST SOUTH CENTRAL	22,632	2/	273,038	318,711	2/	8.3	7.1	2/	2/	
MOUNTAIN AND PACIFIC	22,160	2/	154,508	192,968	2/	14.3	11.5	2/	2/	
Total 66 markets 1/	322,589	---	2,299,455	2,840,838	---	14.0	11.4	---	---	
42 markets regulating vertically integrated plants 3/	322,589	---	1,998,375	2,477,848	---	16.1	13.0	---	---	
42 markets providing data on chain store sales 4/	138,880	444,963	1,249,235	1,538,569	31.2	11.1	9.0	35.6	28.9	
67 markets	---	---	2,676,801	3,302,805	---	---	---	---	---	

1/ Excludes the New York-New Jersey market.

2/ Data were not available for all of the markets in the region.

3/ For 16 of these markets, data on chain store sales were not available,

4/ Sixteen of these markets did not have any vertically integrated plants.

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MAJOR ORDER ACTIONS, NOVEMBER 1971

Suspensions:

Eastern Ohio-W. Pa. - November 1 (36 FR 21578, 11/11/71). This suspension, for November 1971 through April 1972, continues the effect of a prior suspension order effective May through October 1971 which changed the allowable Class III shrinkage on bulk cream transferred from a pool plant to other plants from 0.5 percent to 2 percent.

New Orleans - November 1 (36 FR 22285, 11/24/71). This suspension removed for the month of November the 20 percent or 15-day limitation on the amount of milk that may be diverted during the month by a handler or a cooperative association to nonpool plants as producer milk. These provisions were also suspended during October. (Note: The October suspension was omitted from 'Major Order Actions, October 1971. Notice of the October suspension was published in the October 19 issue of the Federal Register - 36 FR 20218).

Temporary Revision:

Chicago Regional - November 1 (36 FR 22056, 11/19/71). This action reduced the supply plant shipping percentages from 40 percent to 30 percent for November 1971. It continued the effect of a prior revision for October.